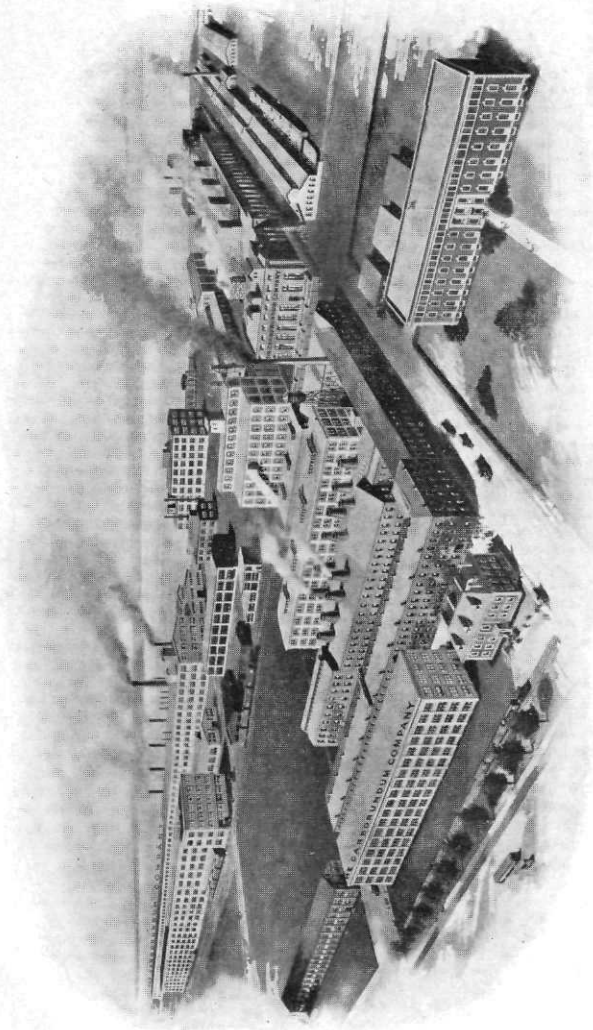


ABRASIVE PRODUCTS



THE
CARBORUNDUM
COMPANY
NIAGARA FALLS
N.Y.



THE PLANT OF THE CARBORUNDUM COMPANY

FLOOR SPACE, TWENTY-EIGHT ACRES

*Main Offices and Works: Niagara Falls, N. Y., U. S. A.
Canadian Plant: Canadian Carborundum Co., Ltd., Niagara Falls, Ont.*

SALES OFFICES AND WAREHOUSES IN New York, Chicago, Boston, Philadelphia, Cleveland, Detroit, Cincinnati, Pittsburgh, Grand Rapids, Milwaukee
The Carborundum Co., Ltd., Manchester, Eng. Deutsche Carborundum Werke, Dusseldorf, Germany

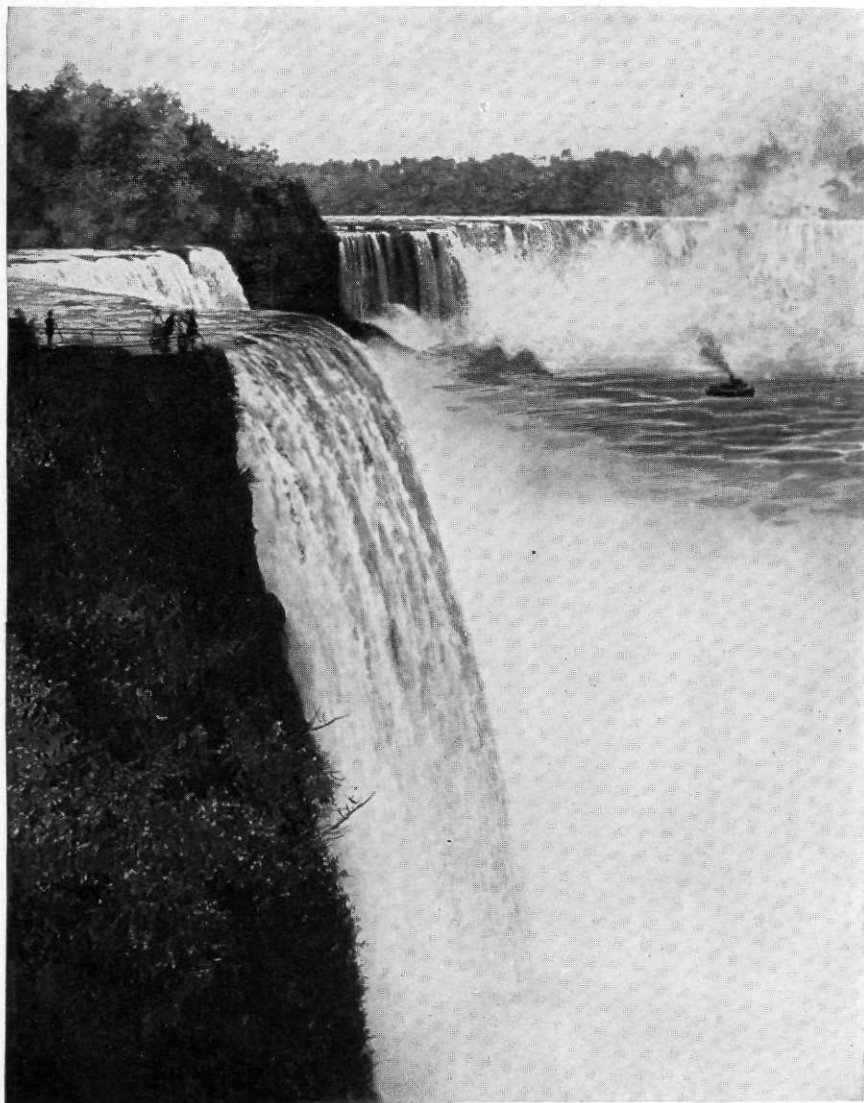
ABRASIVE PRODUCTS



Catalog No. 98

ISSUED JULY, 1927

MANUFACTURED BY
THE CARBORUNDUM COMPANY
REG. U. S. PAT. OFF.
NIAGARA FALLS, N. Y., U. S. A.

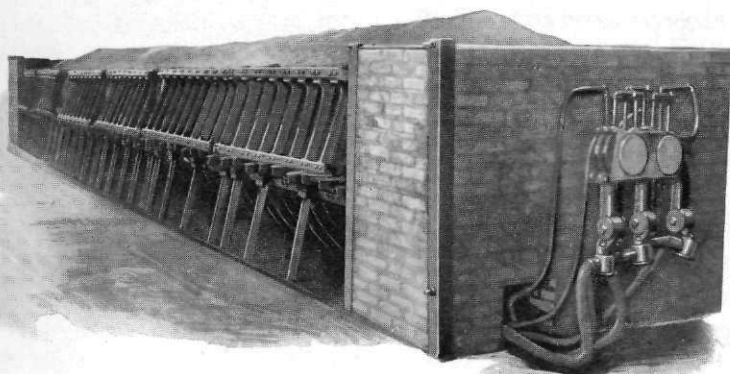


THE FALLS OF NIAGARA

CARBORUNDUM

CARBORUNDUM is an artificial abrasive—a manufactured material. It is not found in nature and it is an absolutely unique substance both in its properties and applications. It is not even an imitation of anything in nature.

Carborundum is a trade name given to carbide of silicon, a chemical combination of the two elements silicon and carbon. The material



CARBORUNDUM FURNACE

was actually created by Edward G. Acheson in 1891, when, experimenting with a mixture containing carbon and silicon, he succeeded, by means of an electric current passing through a carbon electrode in an iron bowl, in fusing the mixture and producing a few bright blue crystals. These crystals were Carborundum. Carborundum is much harder than any other known abrasive material and possesses an irregular crystalline structure. The crystals when broken off form exceedingly sharp fragments which cut clean and fast.

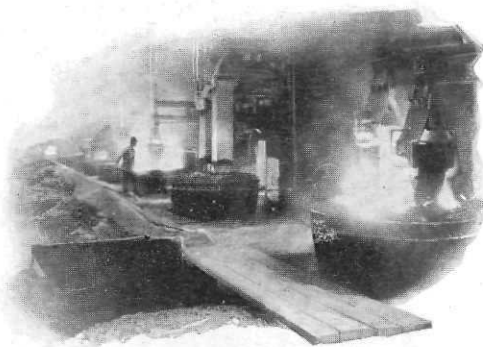
To the extreme hardness of Carborundum is attributed its great durability and this property combined with its sharpness makes it an ideal abrasive or sharpening material.

Carborundum is made in the electric furnace. Coke, supplying the element carbon and sand, the element silicon are the chief raw materials used in the manufacture of this remarkable abrasive. These materials are loaded into the electric furnaces, which are long rectangular structures open at the top and having permanent end walls of masonry and sides built up of removable fire bricks, and subjected

THE CARBORUNDUM COMPANY

to a heat of about 4,060 degrees Fahr. A core of carbon is built through the mixture and this provides a pathway for the electric current as it connects the electrodes at each end of the furnace. Each furnace has a capacity of 2,000 electrical horse power. The duration of a furnace run is thirty-six hours, therefore there is a total consumption of 72,000 H.P. hours for each furnace run.

The heat generated in the high resistance core of the furnace, by the consumption of such an enormous amount of electric energy, is tremendous. In this terrific heat of about 4,060 degrees Fahr., the Carborundum crystal masses are formed. After the current is turned off the furnace is allowed to cool, the walls of the furnace are taken down, the outer crusts removed and the Carborundum crystal masses exposed and removed.



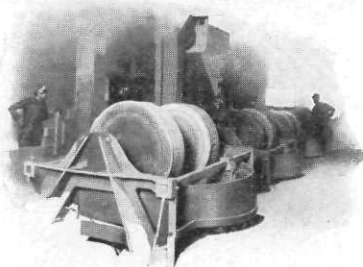
A VIEW OF THE ALOXITE FURNACE ROOM

ALOXITE

ALOXITE is another abrasive made by The Carborundum Company, and like Carborundum is an electric furnace product. It is made by fusing bauxite, a highly aluminous clay, in an electric

are furnace. The furnace consists of a conical steel shell, open at the top. Two heavy carbon electrodes extend vertically into the furnace from above. The electrical current is carried from one electrode through the mass of crude material to the other electrode, thus completing the arc. The heat generated is estimated at 2,000 degrees Fahr. The furnace is gradually filled with the crude material which fuses

in the form of an immense pig. At the end of the furnace run, the pig is removed, broken into small lumps and these lumps are crushed in special machines into the grain and powder forms. The grains and powders are then graded into the various sizes the same as is Carborundum.



CARBORUNDUM CRUSHER

THE MANUFACTURE OF SHARPENING STONES

The crystal masses after being taken from the furnaces are crushed to the desired sizes or grits, subjected to various purifying and cleans-

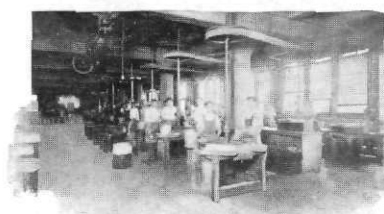


INTERIOR OF KILN

ing treatments and the product is then graded into the sizes or grits ranging from the size of wheat kernels to an impalpable powder. The Carborundum and Aloxite grains and powders having been graded are then mixed with certain bonding agents, generally fusible clays. The mixture of the abrasive grains and clay is loaded into moulds of the various sizes and shapes and the mass subjected to a heavy hydraulic pressure. The stones, hones or wheels thus formed are then placed in immense kilns and vitrified. This process melts the clay and changes it to a substance very similar to porcelain. In this matrix of the fused clay the Carborundum or Aloxite grains are held. It takes about two weeks for the kiln run and about two weeks longer for the kiln to cool off and to be unloaded.

The stones after coming from the kiln are carefully inspected and then finished on revolving cast iron discs using Carborundum grains as the cutting agent. By this means the stones are cut down to an accurate size and a uniform smoothness. They are then carefully cleaned and buffed and packed and after being labeled and boxed are made ready for shipment. Carborundum and Aloxite stones are packed in buff-colored cardboard boxes and bear the Indian Head trade-mark and by this trade-mark the genuine Carborundum products can always be distinguished.

ing treatments and the product is then graded into the sizes or grits ranging from the size of wheat kernels to an impalpable powder. The Carborundum and Aloxite grains and powders having been graded are then mixed with certain bonding agents, generally fusible clays. The mixture of the abrasive grains and clay is loaded into moulds of the various sizes and shapes and the mass subjected to a heavy hydraulic pressure. The stones, hones or wheels thus formed are then placed in immense kilns and vitrified. This process melts the clay and changes it to a substance very similar to porcelain. In this matrix of the fused



RUBBING DOWN SHARPENING STONES



BUFFING AND PACKING SHARPENING STONES

THE CARBORUNDUM COMPANY

Carborundum Sharpening Stones



POSITIVELY unequalled for rapid cutting qualities. Used dry or with water or oil. Are quite porous and may be tempered in their cutting by filling with wax or vaseline.

				Standard Package
No. 115—Fine,	8 x 2	x 1	inches	1/2 doz.
No. 116—Medium,	8 x 2	x 1	inches	1/2 doz.
No. 117—Coarse,	8 x 2	x 1	inches	1/2 doz.
No. 118—Fine,	8 x 2	x 3/4	inches	1/2 doz.
No. 119—Medium,	8 x 2	x 3/4	inches	1/2 doz.
No. 120—Coarse,	8 x 2	x 3/4	inches	1/2 doz.
No. 121—Fine,	6 x 2	x 1	inches	1/2 doz.
No. 122—Medium,	6 x 2	x 1	inches	1/2 doz.
No. 123—Coarse,	6 x 2	x 1	inches	1/2 doz.
No. 124—Fine,	6 x 2	x 5/8	inches	1/2 doz.
No. 125—Medium,	6 x 2	x 5/8	inches	1/2 doz.
No. 126—Coarse,	6 x 2	x 5/8	inches	1/2 doz.
No. 130—Fine,	6 x 1 1/2	x 1 1/2	inches	1/2 doz.
No. 131—Medium,	6 x 1 1/2	x 1 1/2	inches	1/2 doz.
No. 132—Coarse,	6 x 1 1/2	x 1 1/2	inches	1/2 doz.
No. 133—Fine,	7 x 2	x 1	inches	1/2 doz.
No. 134—Medium,	7 x 2	x 1	inches	1/2 doz.
No. 135—Coarse,	7 x 2	x 1	inches	1/2 doz.
No. 136—Fine,	5 x 2	x 5/8	inches	1/2 doz.
No. 137—Medium,	5 x 2	x 5/8	inches	1/2 doz.
No. 138—Coarse,	5 x 2	x 5/8	inches	1/2 doz.
No. 142—Fine,	4 x 1 3/4	x 1 3/4	inches	1/2 doz.
No. 143—Medium,	4 x 1 3/4	x 1 3/4	inches	1/2 doz.
No. 144—Coarse,	4 x 1 3/4	x 1 3/4	inches	1/2 doz.
No. 145—Fine,	4 x 1	x 1 1/4	inches	1 doz.
No. 146—Medium,	4 x 1	x 1 1/4	inches	1 doz.
No. 147—Coarse,	4 x 1	x 1 1/4	inches	1 doz.

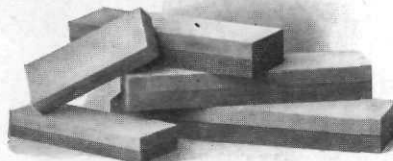
These stones are furnished in Aloxite in same sizes and prices.

Carborundum Combination Stones

Made in Seven Sizes

THESE stones are designed especially for carpenters and mechanics.

They are made with one face of coarse and one face of very fine grit. The coarse side can be used for sharpening very dull tools; the fine side for giving required keen, lasting edge.



				Standard Package
No. 108—8 x 2	x 1	inches		1/2 doz.
No. 109—6 x 2	x 1	inches		1/2 doz.
No. 110—7 x 2	x 1	inches		1/2 doz.
No. 111—5 x 2	x 3/4	inches		1/2 doz.
No. 112—4 x 1 3/4	x 5/8	inches		1/2 doz.
No. 328—8 x 3	x 1	inches		1 only
No. 329—9 x 3	x 1 1/2	inches		1 only

Furnished in Aloxite in same sizes and prices. Excepting Nos. 328 and 329.

Carborundum Round Combination Bench Stone

THIS stone is made in the round form so as to allow for the circular motion used in sharpening chisels and similar tools.

It is made with one side coarse grit for taking out nicks and bringing the tool to an edge and the other side of a very fine grit for giving the keen, finished edge.

Standard
Package

No. 107—Combination Stone, 4 inches diameter . 1/4 doz.

No. 48 Wood Box for No. 107 Combination Stone.

Furnished in Aloxite in same size and price.



Carborundum Slip Stones

THESE stones are made in five sizes and three different grits of each size. They cut rapidly and hold their shape perfectly.

Standard
Package

No. 174—Fine,	6	x 2 1/4 x 3/4 - 3/8 inches	1/4 doz.
No. 175—Medium,	6	x 2 1/4 x 3/4 - 3/8 inches	1/4 doz.
No. 176—Coarse,	6	x 2 1/4 x 3/4 - 3/8 inches	1/4 doz.
No. 177—Fine,	4 1/2	x 1 3/4 x 1/4 - 1/16 inches	1/2 doz.
No. 178—Medium,	4 1/2	x 1 3/4 x 1/4 - 1/16 inches	1/2 doz.
No. 179—Coarse,	4 1/2	x 1 3/4 x 1/4 - 1/16 inches	1/2 doz.
No. 180—Fine,	4 1/2	x 2 1/8 x 5/8 - 3/16 inches	1/2 doz.
No. 181—Medium,	4 1/2	x 2 1/8 x 5/8 - 3/16 inches	1/2 doz.
No. 182—Coarse,	4 1/2	x 2 1/8 x 5/8 - 3/16 inches	1/2 doz.
No. 183—Fine,	4 1/2	x 1 3/4 x 1/2 - 3/16 inches	1/2 doz.
No. 184—Medium,	4 1/2	x 1 3/4 x 1/2 - 3/16 inches	1/2 doz.
No. 185—Coarse,	4 1/2	x 1 3/4 x 1/2 - 3/16 inches	1/2 doz.
No. 186—Fine,	4	x 1 x 1/16 - 3/16 inches	1/2 doz.
No. 187—Medium,	4	x 1 x 1/16 - 3/16 inches	1/2 doz.
No. 189—Coarse,	4	x 1 x 1/16 - 3/16 inches	1/2 doz.

These stones are furnished in Aloxite in the same sizes and prices.



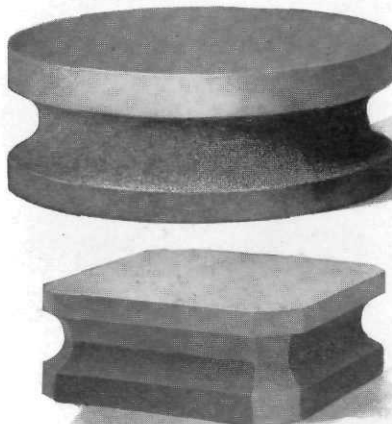
Carborundum Combination Knife Stones

THESE stones are designed especially for sharpening planer knives, and paper and cloth cutting knives without taking the blade from the machine. The groove protects the fingers. Made with one side fine grit and the other side coarse grit.

No. 289—Combination Stone, 4 inches diameter, 1 1/2 inches thick.

No. 332—Combination Knife Stone, 3 1/2 inches square, 1 1/2 inches thick.

Packed, one only in carton.

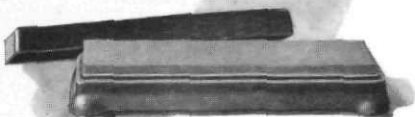




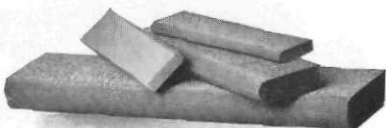
Wood and Iron Boxes for Carborundum and Aloxite Oil Stones

THESE wood boxes are made of well-seasoned chestnut. The base is made with a shoulder so that the cover will fit down tight. Boxes are highly polished, have locked corners and are well made in every respect. Made in three sizes.

The iron boxes are of a durable cast iron. Close fitting covers.



	Standard Package
No. 49—For stones, 6 x 2 x 1 inches . . .	1/2 doz.
No. 50—For stones, 7 x 2 x 1 inches . . .	1/2 doz.
No. 51—For stones, 8 x 2 x 1 inches . . .	1/2 doz.
No. 47—For stones, 12 x 2 1/2 x 1 1/2 inches . . .	1/2 doz.

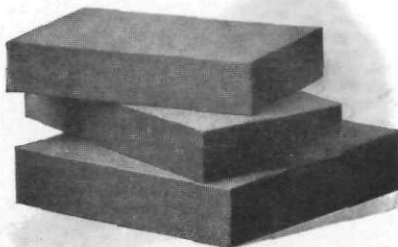


Iron Boxes

	Standard Package
No. 52—6 x 2 x 1 inches	1/2 doz.
No. 53—7 x 2 x 1 inches	1/2 doz.
No. 54—8 x 2 x 1 inches	1/2 doz.

Carborundum Round Edge Gouge Stones

FOR sharpening round edge gouges and similar tools. They are fast cutting, and retain their shape. Made in three grits.



	Standard Package
No. 163—Fine, 5 x 1 1/2 x 1/2 inches	1/4 doz.
No. 164—Medium, 5 x 1 1/2 x 1/2 inches	1/4 doz.
No. 165—Coarse, 5 x 1 1/2 x 1/2 inches	1/4 doz.
No. 166—Fine, 4 x 1 1/2 x 1/2 inches	1/4 doz.
No. 167—Medium, 4 x 1 1/2 x 1/2 inches	1/4 doz.
No. 168—Coarse, 4 x 1 1/2 x 1/2 inches	1/4 doz.

Carborundum Axe Stones

CARBORUNDUM axe stones will produce a sharp, keen edge on the dullest of axes in a very few minutes. Made in four sizes, all convenient for the pocket.

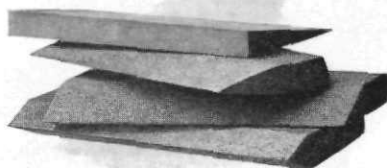
This is a great stone for the lumberman, as well as for the hunter and camper.



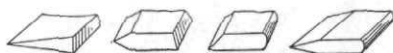
	Standard Package
No. 193—2 1/2 x 1 1/2 x 1/2 inches	1/2 doz.
No. 194—3 x 1 1/2 x 1/2 inches	1/2 doz.
No. 195—2 1/2 x 2 1/2 x 1/2 inches	1 doz.
No. 196—3 inches diameter, 5/8 inch thick . . .	1 doz.

Carborundum and Aloxite Carvers' Slips

THESE slips are made in four different shapes and three grits of each shape; they are exceedingly hard, and retain their knife edge.



			Standard Package
No. 80—Fine,	2 1/4 x 7/8 x 1/8 inches	doz.	1/4
No. 81—Medium Fine,	2 1/4 x 7/8 x 1/8 inches	doz.	1/4
No. 82—Medium,	2 1/4 x 7/8 x 1/8 inches	doz.	1/4
No. 83—Fine,	2 1/4 x 7/8 x 1/8 inches	doz.	1/4
No. 84—Medium Fine,	2 1/4 x 7/8 x 1/8 inches	doz.	1/4
No. 85—Medium,	2 1/4 x 7/8 x 1/8 inches	doz.	1/4
No. 86—Fine,	2 1/4 x 7/8 x 1/8 inches	doz.	1/4
No. 87—Medium Fine,	2 1/4 x 7/8 x 1/8 inches	doz.	1/4
No. 88—Medium,	2 1/4 x 7/8 x 1/8 inches	doz.	1/4
No. 89—Fine,	2 1/4 x 7/8 x 1/8 inches	doz.	1/4
No. 90—Medium Fine,	2 1/4 x 7/8 x 1/8 inches	doz.	1/4
No. 91—Medium,	2 1/4 x 7/8 x 1/8 inches	doz.	1/4



Shape Nos. 80, 81, 82 Shape Nos. 83, 84, 85 Shape Nos. 86, 87, 88 Shape Nos. 89, 90, 91

Carborundum Jointer Stones *For Truing and Sharpening Automatic Planer Knives*

THESE Carborundum stones are used in connection with the truing and sharpening device with which woodworking machines are generally equipped, and they keep the knives in perfect condition. The sizes generally used are listed below. Special shapes and sizes can be ordered.

No.	Size Inches	No.	Size Inches	No.	Size Inches
375—1 1/2 x 3/4 x 1/2		383—3 x 3/4 x 3/4		399—4 x 1 x 1/2	
377—1 3/4 x 3/4 x 1/2		385—3 x 1 x 1/2		414—4 x 1 x 3/4	
370—2 x 3/4 x 3/8		387—3 x 1 x 3/4		410—4 x 1 1/4 x 3/8	
371—2 x 3/4 x 1/2		384—3 1/2 x 1 1/4 x 3/8		394—4 x 1 1/2 x 1/2	
380—2 x 3/4 x 3/4		388—4 x 1/2 x 3/8		400—4 x 1 1/2 x 3/4	
372—2 1/2 x 3/4 x 1/4		389—4 x 3/4 x 1/4		395—4 x 2 1/2 x 3/4	
378—2 1/2 x 1 1/4 x 3/8		390—4 x 3/4 x 3/8		411—4 x 3 x 3/4	
379—2 3/4 x 3/4 x 3/4		373—4 x 3/4 x 1/2		412—4 x 4 x 3/4	
386—3 x 3/4 x 1/4		391—4 x 3/4 x 3/4		413—6 x 3 3/4 x 3/4	
382—3 x 3/4 x 3/8		392—4 x 1/8 x 1/8		397—6 x 3 1/2 x 3/4	
381—3 x 3/4 x 1/2		393—4 x 1 x 3/8		398—6 1/4 x 3 x 3/4	

Packed in one-half dozen standard packages.



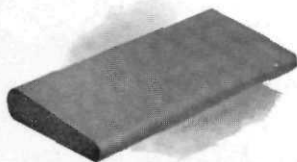
Aloxite Stones

*Used with S. A. Woods Machine Company
Truing and Sharpening Device*

THE S. A. Woods Machine Company equips its truing and sharpening devices with an Aloxite stone of a special bevel end shape, in medium fine grit. Aloxite is so hard, sharp, and tough that the stones keep the knives always keen and smooth cutting, show long life and never burn the steel.



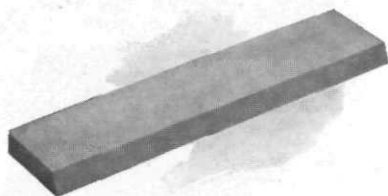
No.	Standard Package
No. 374—Aloxite stone for S. A. Woods Machine, 4 x 3/4 x 5/16 inches	1/2 doz.



Carborundum Extra Hard, Fine Stones

THESE stones are made for all tools that require an extra fine, delicate edge. They are made of the finest of the Carborundum grain and are graded very hard. Cabinet makers and wood carvers will find these stones especially adapted to sharpening tools. Made in six sizes.

	Standard Package
No. 156—8 x 2 x 1 inches	1/2 doz.
No. 157—8 x 2 x 3/4 inches	1/2 doz.
No. 158—6 x 2 x 1 inches	1/2 doz.
No. 159—6 x 2 x 5/8 inches	1/2 doz.
No. 154 Slip—4 1/2 x 2 1/8 x 5/8 - 5/16 inches	1/4 doz.
No. 155 Slip—4 1/2 x 1 3/4 x 1/2 - 1/16 inches	1/4 doz.

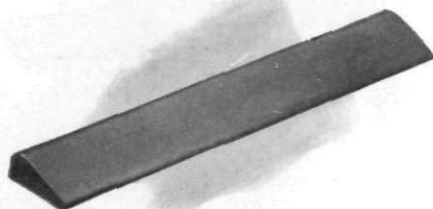


Carborundum Machinists' Special Stones

THESE stones are especially designed for machinists' use. They are fast-cutting and they hold their shape perfectly. The grit and grade of hardness make these stones best adapted to sharpening lathe and planer tools, milling cutters, reamers, and drills. Oil or water may be used with these stones.

	Standard Package
No. 292—Carborundum Machinists' Special, size, 4 x 1 x 1/2 inches, FF grit, fine	1 doz.
No. 292M, size, 4 x 1 x 1/2 inches, medium	1 doz.
No. 294—Carborundum Reamer Stone, size, 4 1/2 x 1 x 5/16 inches, FF grit, fine	1/4 doz.

These stones are furnished in Aloxite in same sizes and prices.



Carborundum Blacksmiths' Stone

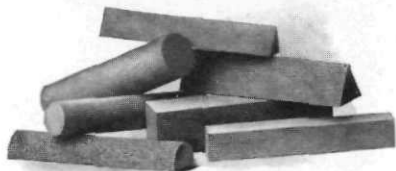
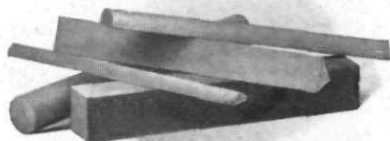
FOR sharpening farrier and butteris knives; does the work better and more rapidly than a file, and leaves a good cutting edge. This stone can also be used with splendid results in automobile plants for "stoning" up gears.

	Standard Package
No. 199—Length, 6 inches; width, 1 3/8 inches; greatest thickness, 3/8 inch	1 doz.

Carborundum and Aloxite Sticks

CARBORUNDUM and Aloxite sticks are hard, sharp, and fast cutting. They hold their shape and retain their cutting face and edge. These sticks are particularly adapted to the work of jewelers, die cutters, engravers and instrument makers and for mould and die cleaning. The sticks are made in three grits: fine, medium and coarse, in 4, 6 and 8-inch lengths, square, triangular, half-round and round and in thicknesses ranging from $\frac{1}{4}$ inch to 1 inch.

Packed in standard packages of one-half dozen in box.



Carborundum and Aloxite Sticks in Display Case

THIS is a combination display case and stock-keeper for carrying a supply of 4 and 6-inch Carborundum and Aloxite Sticks.

It is made of wood, handsomely finished in mahogany stain. It is $14\frac{1}{2}$ inches wide, $3\frac{3}{4}$ inches high and $10\frac{3}{4}$ inches deep, and is fitted with two drawers, subdivided, so as to accommodate the two sizes of sticks in the round, square, half-round and triangular shapes in both Carborundum and Aloxite.

The case is fitted with a glass top. Across the front the words Carborundum and Aloxite Sticks appear in gold letters.

The case is given free with an assortment of sticks.



Carborundum Points

THE Carborundum points are used by die sinkers. They are exceedingly hard and sharp and they stand up to the work. Made in three grits. The points are 3 inches long.

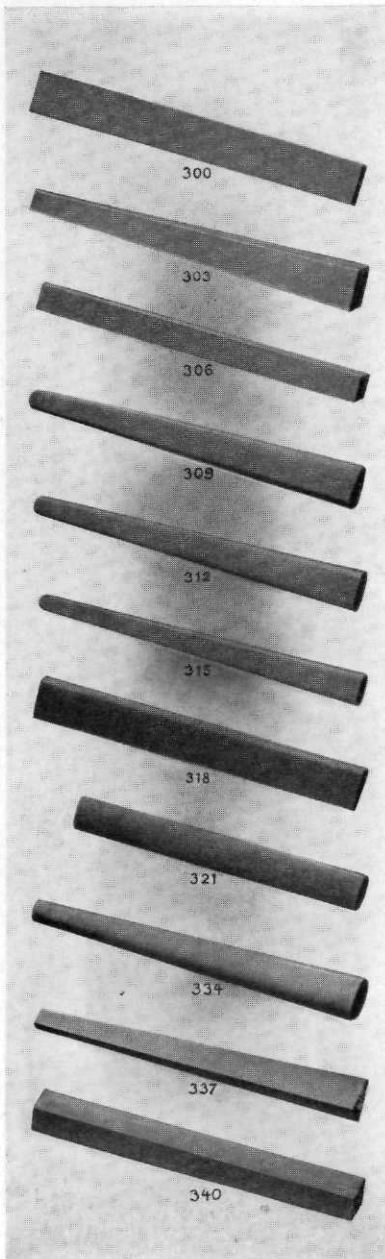
	Standard Package
No. 97—Fine	$\frac{1}{2}$ doz.
No. 98—Medium	$\frac{1}{2}$ doz.
No. 99—Coarse	$\frac{1}{2}$ doz.

These points are furnished in Aloxite in same sizes and prices.



Carborundum and Aloxite Silversmiths' Stones

THESE stones are exceedingly hard, so they retain their shape perfectly. Made in three grits of each size and shape. We recommend these stones without hesitation to silversmiths, watchmakers, and general die workers. Packed in standard packages containing $\frac{1}{4}$ dozen.



	Size, $4 \times \frac{1}{2} \times \frac{3}{16}$ inches	Standard Package
No. 300—Fine		$\frac{1}{4}$ doz.
No. 301—Medium Fine		$\frac{1}{4}$ doz.
No. 302—Medium		$\frac{1}{4}$ doz.

	Size, $4 \times \frac{1}{2} - \frac{1}{4} \times \frac{3}{32} - \frac{3}{16}$ inches	
No. 303—Fine		$\frac{1}{4}$ doz.
No. 304—Medium Fine		$\frac{1}{4}$ doz.
No. 305—Medium		$\frac{1}{4}$ doz.

	Size, $4 \times \frac{1}{8} \times \frac{3}{16} - \frac{3}{8}$ inches	
No. 306—Fine		$\frac{1}{4}$ doz.
No. 307—Medium Fine		$\frac{1}{4}$ doz.
No. 308—Medium		$\frac{1}{4}$ doz.

	Size, $4 \times \frac{1}{4} - \frac{3}{8} \times \frac{1}{4} - \frac{1}{8}$ inches	
No. 309—Fine		$\frac{1}{4}$ doz.
No. 310—Medium Fine		$\frac{1}{4}$ doz.
No. 311—Medium		$\frac{1}{4}$ doz.

	Size, $4 \times \frac{1}{16} - \frac{3}{16} \times \frac{3}{16} - \frac{1}{16}$ inches	
No. 312—Fine		$\frac{1}{4}$ doz.
No. 313—Medium Fine		$\frac{1}{4}$ doz.
No. 314—Medium		$\frac{1}{4}$ doz.

	Size, $4 \times \frac{3}{8} - \frac{1}{2} \times \frac{3}{16} - \frac{1}{16}$ inches	
No. 315—Fine		$\frac{1}{4}$ doz.
No. 316—Medium Fine		$\frac{1}{4}$ doz.
No. 317—Medium		$\frac{1}{4}$ doz.

	Size, $4 \times \frac{1}{2} \times \frac{3}{16} - \frac{3}{32}$ inches	
No. 318—Fine		$\frac{1}{4}$ doz.
No. 319—Medium Fine		$\frac{1}{4}$ doz.
No. 320—Medium		$\frac{1}{4}$ doz.

	Size, $3 \frac{1}{2} \times \frac{7}{16} - \frac{7}{32}$ inches	
No. 321—Fine		$\frac{1}{4}$ doz.
No. 322—Medium Fine		$\frac{1}{4}$ doz.
No. 323—Medium		$\frac{1}{4}$ doz.

	Size, $4 \times \frac{1}{2} - \frac{1}{4}$ inches	
No. 334—Fine		$\frac{1}{4}$ doz.
No. 335—Medium		$\frac{1}{4}$ doz.
No. 336—Coarse		$\frac{1}{4}$ doz.

	Size, $4 \times \frac{1}{2} - \frac{1}{4}$ inches	
No. 337—Fine		$\frac{1}{4}$ doz.
No. 338—Medium		$\frac{1}{4}$ doz.
No. 339—Coarse		$\frac{1}{4}$ doz.

	Size, $4 \times \frac{1}{16} \times \frac{1}{16}$ inches	
No. 340—Fine		$\frac{1}{4}$ doz.
No. 341—Medium		$\frac{1}{4}$ doz.
No. 342—Coarse		$\frac{1}{4}$ doz.

Carborundum Engravers' Pencil Points

FOR engravers, die sinkers, mould makers and metal chasers.

The points are $\frac{1}{8}$ of an inch in diameter, 1 inch in length; of three grits—coarse, medium and fine.

Pencil Point Assortment, No. 94, contains twelve points of one grit or assorted grits, as desired.



Engravers' Chuck

THIS chuck is a very convenient tool for holding pencil points. It is made from steel tubing, knurled and nickel-plated.

No. 93 packed, one only in carton.

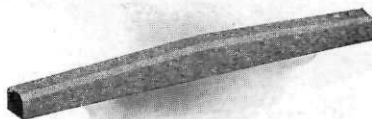


Carborundum Last Cutters' Stones

DESIGNED for sharpening last cutters' knives. Very fast cutting and durable stones.

	Standard Package
No. 297—6 x $\frac{3}{4}$ - $\frac{1}{2}$ x $\frac{5}{8}$ - $\frac{3}{8}$ inches FF (fine)	$\frac{1}{2}$ doz.
No. 331—8 x $\frac{5}{8}$ x $\frac{1}{4}$ - $\frac{1}{2}$ inches (medium)	$\frac{1}{2}$ doz.

These stones are furnished in Aloxite in same sizes and prices.

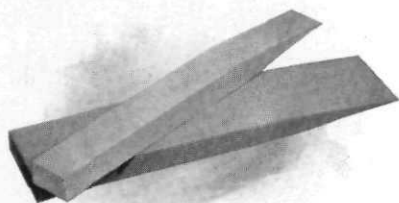


Carborundum Shoemakers' Sharpening Stone

A MEDIUM grit fast-cutting stone designed for use in shoe repair shops for sharpening shoemakers' knives.

	Standard Package
No. 58—10 inches long, $1\frac{1}{4}$ inches wide and $\frac{3}{4}$ inch thick	1 doz.





Carborundum Skiving Knife Sharpeners

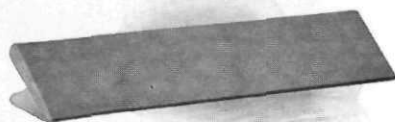
ILLUSTRATED here are two shapes of stones very useful for taking off the wire edge on Amazeen skiving machine knives, leaving a sharp, smooth edge.

Standard
Package

No. 296—4 x 1 x $\frac{1}{4}$ inches 180 (medium) . . . $\frac{1}{4}$ doz.

No. 298—4 x $\frac{1}{2}$ x $\frac{1}{4}$ inches 180 (medium) . . . $\frac{1}{4}$ doz.

These stones are furnished in Aloxite in same sizes and prices.



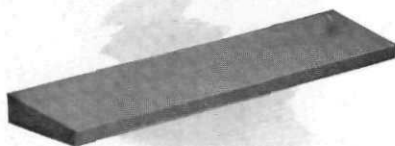
Carborundum Knife Edge Slip Stone

FOR sharpening welt awls on McKay stitching machines.

Standard
Package

No. 293—5 x 1 x $\frac{5}{16}$ - $\frac{3}{32}$ inches FF (fine) . . . $\frac{1}{4}$ doz.

This slip is furnished in Aloxite in same size and price.



Carborundum Sharpening Stone

With Beveled Edge and Side

A MEDIUM grit stone for sharpening the trimming knives of a Gem insole machine.

Standard
Package

No. 295—3 $\frac{1}{2}$ x $\frac{3}{4}$ x $\frac{3}{16}$ - $\frac{1}{8}$ inches FF (fine) . . . 1 doz.

These stones are furnished in Aloxite in same size and price.



Carborundum Shoe Cutters' Stone

ESPECIALLY adapted, as to size, shape, fineness and hardness, for sharpening shoe cutters' knives, and for the convenience of the user is mounted on a special iron base.

Standard
Package

No. 326—Carborundum Shoe Cutters' Stone, complete with base . . . $\frac{1}{2}$ doz.

No. 327—Carborundum Shoe Cutters' Stone only, size 5 x $\frac{1}{8}$ x $\frac{3}{4}$. . . $\frac{1}{2}$ doz.

Carborundum Razor Hones

MADE of extra fine, hand-washed Carborundum powder. These hones are fast-cutting and give a keen, lasting edge.

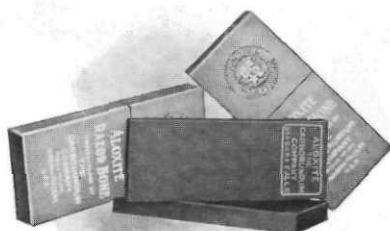
			Standard Package
No. 101	6 x 2	x $\frac{5}{8}$ inches	$\frac{1}{2}$ doz.
No. 101A	5 x 2	x $\frac{1}{2}$ inches	$\frac{1}{2}$ doz.
No. 102	4 x $1\frac{1}{2}$	x $\frac{1}{2}$ inches	$\frac{1}{2}$ doz.
No. 103	4 x 2	x $\frac{1}{2}$ inches	$\frac{1}{2}$ doz.
No. 104	3 x 2	x $\frac{5}{8}$ inches (dry)	$\frac{1}{2}$ doz.
No. 105	8 x $2\frac{1}{2}$	x $\frac{3}{4}$ inches	$\frac{1}{4}$ doz.
No. 106	4 x 2	x $\frac{1}{2}$ inches (dry)	$\frac{1}{2}$ doz.
No. 115S	4 x 2	x 1 inches	$\frac{1}{2}$ doz.
No. 118S	4 x 2	x $\frac{3}{4}$ inches	$\frac{1}{2}$ doz.
No. 152 Comb.	5 x 2	x $\frac{3}{4}$ inches	$\frac{1}{2}$ doz.



Aloxite Razor Hone

THE Aloxite razor hone is absolutely uniform in grit and texture throughout, is fast and clean cutting, and will give a keen, smooth, velvet-like edge quickly and easily.

	Standard Package
No. 200—Aloxite Hone, size, 5 x 2 x $\frac{1}{2}$ inches	$\frac{1}{2}$ doz.



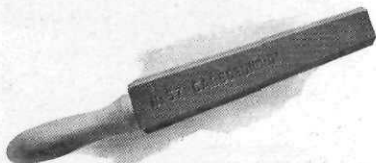
Carborundum Razor Hone Assortment Box No. 1500

A QUICK selling assortment of the Carborundum Razor Hones is put up in a green and gold paper-covered carton. The lift cover is attractively done in four colors showing a general view of Niagara Falls, and our Indian Head Trade Mark. The display box is given with the assortment. The assortment we suggest is made up of what our experience tells us are the best sellers. The assortment, No. 1500, containing twelve hones, as follows:

- 4 Carborundum Hones No. 101A
- 4 Carborundum Hones No. 103
- 2 Carborundum Hones No. 102
- 2 Carborundum Hones No. 106



Carborundum File No. 57



MIGHTY handy for the farmer and gardener. A solid, four-sided, tapered shaft of Carborundum that cuts quick and free—that gives a better, cleaner edge than the steel file—in less time—with less effort. For sharpening mower sections, lawn mower knives, for practically any edge, farm or garden tool. Just the right handy size and made in the right grit to give best and quickest results.

Standard
Package

No. 57—Carborundum File, 13 inches
long, wood handle 1 doz. and 3 doz.

Carborundum File No. 59



THE Carborundum file, No. 59, is made to do the general shop work of the ordinary steel file, but has the advantage of doing better and quicker work, and in addition can be used for touching up case-hardened parts and removing scale from metals that cannot be touched by the steel file.

Standard
Package

No. 59—Carborundum File, 13 inches long, wood
handle 1 only

Aloxite Scythe Stones



ALOXITE scythe stones must not be classed with the ordinary scythe stones.

The old style stones are merely sandstone and are of very little use. They simply rub the edge on. Aloxite cuts fast and clean. The advantage is obvious.

Aloxite scythe stones are put up in bulk—three dozen being packed in a sturdy fibre carton, and also in display cartons as illustrated and described on the page following.

Standard
Package

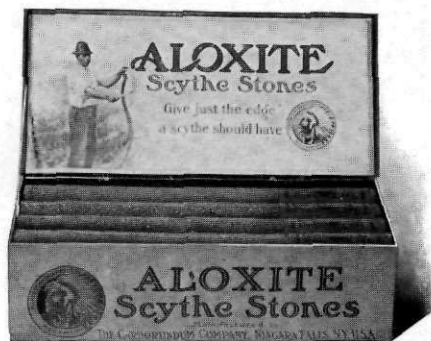
No. 188—10 inches long 3 doz.
No. 190—10 inches long 3 doz.
No. 191—12 inches long 3 doz.
No. 192—10 inches long (heavy) 3 doz.

NIAGARA FALLS, NEW YORK

Aloxite Scythe Stones in Display Carton

ALOXITE Scythe Stones are also furnished in neat, attractive combination shipping and display cartons carrying one dozen stones. The box can be used on the show case or in the window and it's bound to stimulate sales.

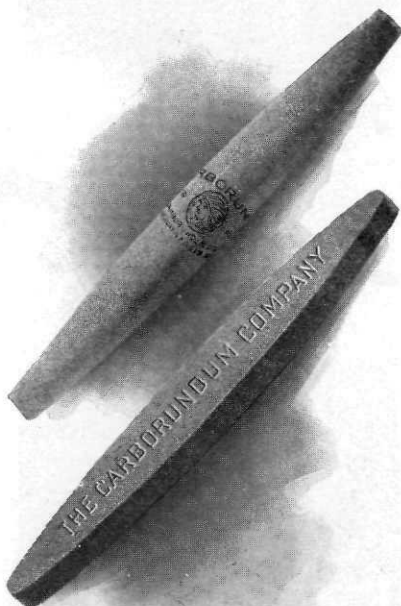
	Standard Package
No. 188—In Display Carton	1 doz.
No. 190—In Display Carton	1 doz.
No. 191—In Display Carton	1 doz.
No. 192—In Display Carton	1 doz.



The Carborundum English Round Scythe Stone

THE Carborundum English Round Scythe Stone, No. 203, is a round, tapered stone of a heavier weight, nicely balanced and preferred by many farmers and gardeners.

	Standard Package
No. 203—English Round Carborundum Scythe Stone, 12 inches long, tapered	1 doz. and 3 doz.



Carborundum Continental Scythe Stone

THE Carborundum Continental Scythe Stone, No. 198, is $9\frac{1}{4}$ inches long and is of the flat, tapered type of stone much used in Europe and now gaining popularity in America. It is a light weight stone, made in just the right grit to give the right edge.

	Standard Package
No. 198—Carborundum Continental Scythe Stone $9\frac{1}{4}$ inches long, tapered	3 doz.



Carborundum Round Knife Sharpener

A SHAFT of Carborundum, firmly secured to handle by a steel rod extending its entire length, provides the ideal sharpener for all household knives.

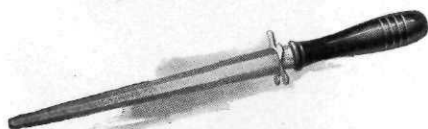
Standard
Packages

No. 76—Knife Sharpener, length over all,
14 inches 1 doz. and 3 doz.



Carborundum Knife Sharpeners in Display Carton

CARBORUNDUM No. 76 Knife Sharpeners are furnished to the dealer in a combination shipping and display box, containing one dozen sharpeners. The display box may be shown from the counter, window or show case.



Carborundum Octagonal Knife Sharpener

THE Octagonal Sharpener, having eight flat surfaces, gives a sheer cut, thus producing a keen edge in less time. It is a solid shaft of Carborundum fitted with a wood handle.

Standard
Package

No. 78—Octagonal Sharpener with wood handle, 1/2 doz.



Carborundum Octagonal Knife Sharpeners in Display Carton

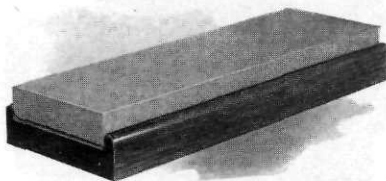
A HALF dozen of the Octagonal Knife Sharpeners, in individual boxes, in a carton make an attractive display and stimulate sales. The display carton is given free with an order for the sharpeners.

Carborundum Kitchen Stone

ONE of the most useful articles in any kitchen, and one that fills a long-felt want is the Carborundum stone 6 inches long and 2 inches wide, mounted on a polished wood base. It will make every knife in the house a sharp knife.

Standard
Packages

No. 330—Carborundum Kitchen Stone . 1 doz. and 3 doz.

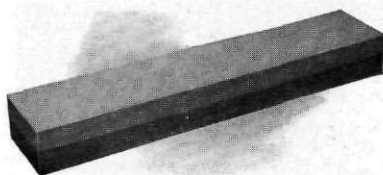


Carborundum Cutlers' Stone

A STONE especially designed for the sharpening of cutlery. This stone is not only used by cutlery manufacturers for giving a final keen edge to their knives, but is also used by hardware men for properly sharpening pocket knives, household knives, etc., as they are sold over the counter. See page 10 for No. 47 Wood Box for this stone.

Standard
Package

No. 333—Carborundum Cutlers' Stone, size, 12 x
2½ x 1½ inches 1 only



Carborundum Shoemakers' Strops

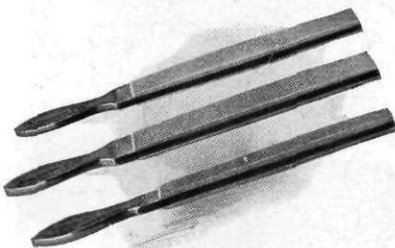
THESE Carborundum Strops are made for sharpening shoemakers', leather workers' and cloth cutters' knives. Furnished in three styles and sizes.

Standard
Package

No. 60—Carborundum Strop, 13½ inches long,
1¼ inches wide, coated one side fine and one side
coarse Carborundum grain 1 doz.

No. 62—Carborundum Strop, 12 inches long, 5⁄8
inch wide, coated one side fine, the other side
coarse Carborundum grain 1 doz.

No. 64—Carborundum Strop, 13½ inches long,
1¼ inches wide, both sides coated with coarse
Carborundum grain 1 doz.



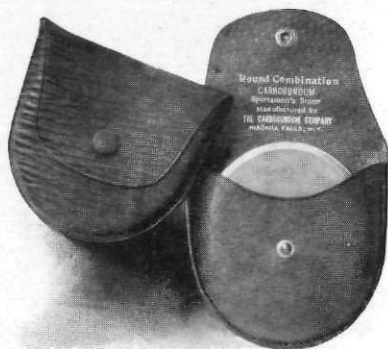


Carborundum Sportsmen's Oblong Combination Stone

THIS stone is designed for the sportman's hunting outfit. One side of stone is of a coarse grit, to sharpen very dull knives; the other side is of a very fine grit, to give the required smooth edge. Furnished in a neat soft leather case.

Standard Package

No. 114—4 x 1½ x ½ inches ½ doz.



Carborundum Sportsmen's Round Combination Stone

A HANDY round combination stone for sharpening hatchets, sheath and clasp knives, etc., and for pointing gaffs and fish hooks. Furnished in a neat Walrus Leather belt case.

Standard Package

No. 113—Sportsmen's Combination Stone, 3-inch diameter. ½ doz.

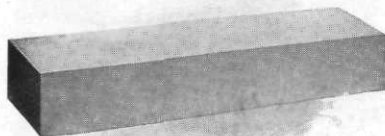


Carborundum Instrument Hone

MADE of a very fine, hand-washed powder it produces a keen, smooth edge. A very useful hone for surgeons and dentists. Furnished in a neat black leather case.

Standard Package

No. 100—4 x 1 x ¾ inches ½ doz.



Carborundum Hone

For Honing Microtome Knives

THE Carborundum Hone, No. 153, is designed specially for the sharpening of microtome knives used in the extremely delicate work of cutting sections for microscopic studies. The hone is made in an extremely fine grit, hard grade and is of the right size to take care of the larger knives used in this work, the hone being 12 inches long, 3 inches wide and 2 inches thick.

Standard Package

No. 153—Carborundum Microtome Hone, size, 12 x 3 x 2 inches 1 only

Carborundum Pocket Hones

THESE little hones are made of the finest Carborundum powder. They are for sharpening pocket knives, ink scratchers, scissors, and small tools. Put up in a neat, buff colored carton.

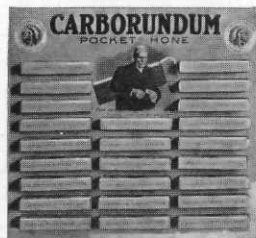
Standard
Package

No. 149—3 x $\frac{7}{8}$ x $\frac{3}{4}$ inches 2 doz.



Carborundum Pocket Hone Display

THIS display is lithographed in five colors on steel and provides for the showing of two dozen hones and is furnished with this quantity. It is very attractive and sure to increase sales of this popular hone.



Carborundum Round Pocket Hones

THESE little hones are made of the finest Carborundum powder. They are for sharpening pocket knives, ink scratchers, scissors and small tools. Put up in a neat, buff colored carton. Two dozen of the No. 150 stones furnished in display.

Standard
Package

No. 150—Round, 2-inch diameter, $\frac{1}{4}$ inch thick . 2 doz.

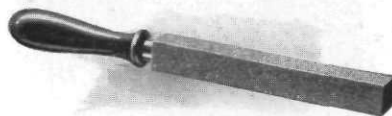


Carborundum Cloth Cutters' Stone

A SPECIAL fine grit stone for sharpening the knives on automatic or electric cloth cutting machines. The stone gives just the edge these knives should have. It is fitted with a durable wood handle.

Standard
Package

No. 70—Carborundum Cloth Cutters' Stone, size, 6 x $\frac{3}{4}$ inches 1 doz.





Carborundum Official Boy Scout Sharpening Stone

THE Carborundum Official Boy Scout Sharpening Stone is a welcome addition to the Scout's kit for sharpening his Scout knives, mess knives and hand axes. Put up in handy leather case.

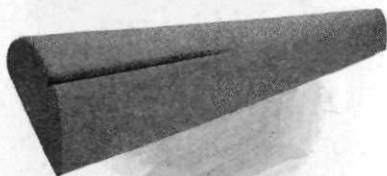
Standard
Package

No. 151—Carborundum Official Boy Scouts' Sharpening Stone in leather case. Stone is $2\frac{1}{4}$ inches in diameter 1 doz. on display card



Carborundum Official Boy Scout Sharpening Stone Display

FOR display by the hardware dealer The Carborundum Official Boy Scout Stones are put up one dozen to a display. The display is free with one dozen of the stones.

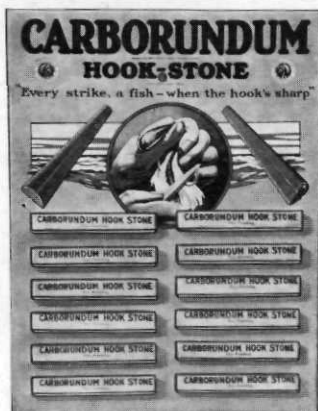


Carborundum Hook Stone

THE Carborundum Hook Stone No. 44 should be in every fisherman's kit. It is a stone specially designed for the sharpening of fish hooks and gaffs. Puts a needle-like point and a keen barb on a hook in a twinkling.

Standard
Package

No. 44—Carborundum Hook Stone, $2\frac{7}{8}$ inches long 1 doz. on display card



Carborundum Hook Stone Display

THE Carborundum Hook Stone is put up one dozen on an attractive metal lithographed display. The display is given free with one dozen stones.

Carborundum Display Case for Assortment No. 7

THIS is a most attractive little case for the window or counter display. It is 24 inches high, 18 inches wide and 12 inches deep. It is made from quartered oak. The door and glass-covered display panel showing an assortment of Carborundum stones are in one. Back of the door is a shelved compartment for carrying stone assortment. The stock is accessible from the front of the case, making it very convenient. This case can also be made with a stationary display front with a door opening from the back.

Weight, case and display stones packed, 65 lbs.

This case is given free with assortment of stones listed below.



Stones on Display Panel

The following stones are mounted on the display panel on door of the case:

1 only No. 103	1 only No. 149
1 only No. 200	1 only No. 183
1 only No. 109	1 only No. 184
1 only No. 111	1 only No. 194
1 only No. 112	1 only No. 292
1 only No. 118	2 only 4 x 3/4 round
1 only No. 124	2 only 4 x 3/4 square
1 only No. 142	2 only 4 x 3/4 triangular
1 only No. 145	

Stones for Stock

2 only No. 200	1 only No. 183
2 only No. 103	1 only No. 181
2 only No. 102	2 only No. 183
1 only No. 101-A	2 only No. 184
2 only No. 115	3 only No. 292
1 only No. 116	2 only No. 107
2 only No. 118	1 only No. 108
1 only No. 119	2 only No. 109
2 only No. 121	2 only No. 110
1 only No. 122	2 only No. 111
3 only No. 124	2 only No. 112
2 only No. 125	2 only No. 194
2 only No. 142	2 only 4 x 3/4 round
1 only No. 143	2 only 4 x 3/4 square
2 only No. 145	2 only 4 x 3/4 triangular
6 only No. 149	



THE CARBORUNDUM COMPANY

Carborundum Combination Stone Display No. 10



FOR properly displaying and stimulating the sale of Carborundum Combination Stones this special display and assortment are offered to hardware dealers. The display is an attractive metal panel done in four colors and carrying six of the actual Carborundum Combination Stones in the most popular sizes. Each stone on the display is numbered and priced. The display is fitted with a strong easel back and can be used on the counter or in the window. The No. 10 display is given free with an assortment of Carborundum Combination Stones as listed below, including the six stones on display.

No. 10 Carborundum Combination Assortment and Display

2 only No. 107 Combination Stones
2 only No. 112 Combination Stones
2 only No. 111 Combination Stones
2 only No. 109 Combination Stones
2 only No. 110 Combination Stones
2 only No. 108 Combination Stones



The Carborundum Four-Drawer Display Case

AN attractive display case for the counter, show case or shelf. Has four spacious drawers for keeping stock of Carborundum stones. The case is strong, well made, and attractive. Full details regarding display case offer, sent on request. The display case is given free with either of the following assortments:

Stock No. 1

1 only No. 107	2 only No. 121	1 only No. 181
2 only No. 108	1 only No. 133	2 only No. 183
2 only No. 109	4 only No. 124	1 only No. 184
1 only No. 111	2 only No. 136	2 only No. 193
1 only No. 112	2 only No. 180	2 only No. 195

Stock No. 2

2 only No. 107	2 only No. 133	1 only No. 137
2 only No. 108	1 only No. 134	2 only No. 142
2 only No. 109	2 only No. 121	2 only No. 180
2 only No. 111	1 only No. 122	1 only No. 181
2 only No. 112	2 only No. 118	2 only No. 183
2 only No. 115	1 only No. 119	1 only No. 184
1 only No. 116	2 only No. 136	

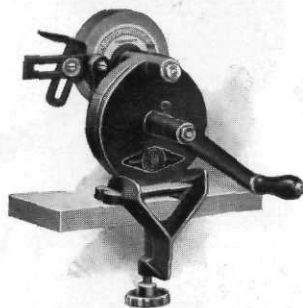
Carborundum Niagara Grinders

EACH machine is made right, of the right materials, under our own supervision. Every part, from casting to handle, is accurately made, perfectly fitted. The gear case is made of the best of gray iron, the two sections being ground to a fit, making the case absolutely oil tight. The gears are accurately cut, they run smoothly and practically noiseless. The handle and clamp are made of malleable iron to withstand strains, and all small parts are nicely finished. In design, workmanship, and mechanical construction Carborundum Niagara Grinders are superior. Every machine is fitted with a Carborundum wheel, the fastest, coolest cutting of all wheels for general grinding purposes. In ordering extra parts or wheels, specify model number which appears on name plate of each machine and on extra part list accompanying each machine.

Carborundum Niagara Grinder No. 1

AN ideal little machine for household use, for hotels, clubs, butcher shops, etc. It is a powerful, compact, smooth-running machine. The grinder is equipped with an adjustable tool rest to guide the work, and is fitted with a fine grit Carborundum wheel 4 inches in diameter and 1 inch thick, $\frac{3}{8}$ -inch arbor hole.

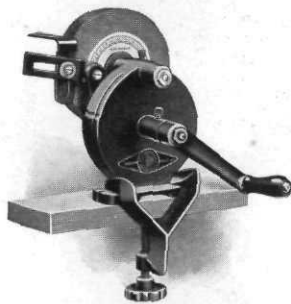
Packed, each grinder in carton. One-half dozen in standard crate, weight 50 lbs.

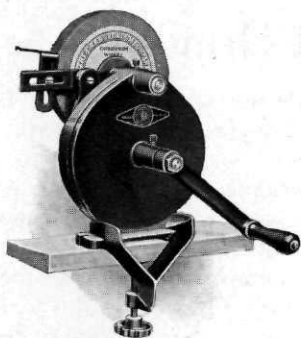


Carborundum Niagara Grinder No. 2

THE Niagara Grinder No. 2 is practically the same machine as No. 1; it is larger however and therefore can be used in heavier work in wood-working and repair shops. It is strong, durable and capable of standing a lot of wear and tear. The machine is fitted with an adjustable tool rest and a Carborundum wheel of medium grit, 5 inches in diameter and 1 inch thick, $\frac{3}{8}$ -inch arbor hole.

Packed, each grinder in carton. One-half dozen in standard crate, weight 65 lbs.

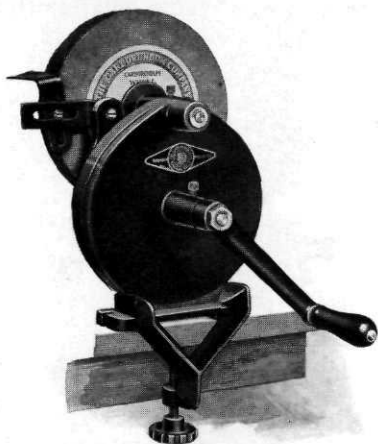




Carborundum Niagara Grinder No. 3

CARBORUNDUM Niagara Grinder No. 3 is fitted with a medium grit Carborundum wheel, 6 inches in diameter, $1\frac{1}{4}$ inch thick, $\frac{1}{2}$ -inch hole, and an adjustable tool grinding guide.

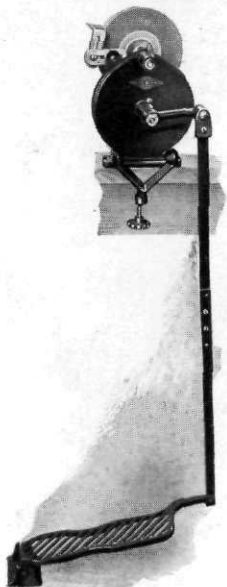
Packed, each grinder in carton. One-half dozen in standard crate, weight, 85 lbs.



Carborundum Niagara Grinder No. 4

CARBORUNDUM Niagara Grinder No. 4 is fitted with an adjustable tool grinding guide and a Carborundum wheel 7 inches in diameter, $1\frac{1}{4}$ inches thick, $\frac{1}{2}$ -inch arbor hole.

Packed, one in wood box, weight, each 26 lbs.



Niagara Grinder, Foot-Power Attachment No. 21

THE foot-power attachment can be fitted to either No. 3 or No. 4 Niagara Grinder. The attachment is simple and powerful and can be used to advantage where electric or other power is not available. The attachment is made of malleable iron and is strong and durable. It is readily adjusted to several heights. The illustration shows attachment fitted to No. 4 Grinder.

No. 21, Niagara Foot-Power Attachment for Nos. 3 and 4 Grinders.

Packed in standard package $\frac{1}{2}$ dozen in carton.

Carborundum Grinders, A, B, C and E

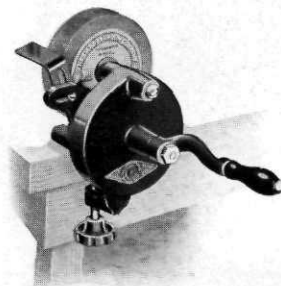
IN order to meet the competition in the field of the low-priced grinders The Carborundum Company offers to the trade the Carborundum Grinders, A, B, C and E, as illustrated and described below.

The machines, while not up to the quality standard of the regular Carborundum grinders known as the Niagara Grinders, are, nevertheless, good, serviceable machines, well made, and carefully assembled. The castings are of a good grade of gray iron. The gears are cast iron, machine cut; the pinions of steel, machine cut. The grinders are finished in black and equipped with genuine Carborundum wheels and practical tool rests. These machines are made in four sizes and are better constructed, of better materials than the average low-priced grinders.

Carborundum Grinder "A"

A HANDY little machine for household, tool kit or for small shop work. Fitted with a Carborundum wheel 4 inches in diameter, 1 inch thick, $\frac{5}{16}$ -inch hole, medium grit.

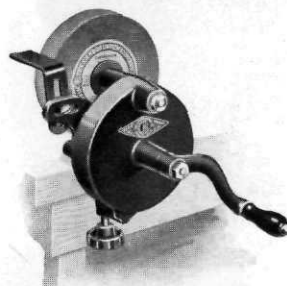
Packed each grinder in carton. One-half dozen in standard crate, weight, 50 lbs.



Carborundum Grinder "B"

THIS machine is slightly larger than the "A" machine, is fitted with a Carborundum wheel 5 inches in diameter, 1 inch thick, $\frac{3}{8}$ -inch hole, medium grit.

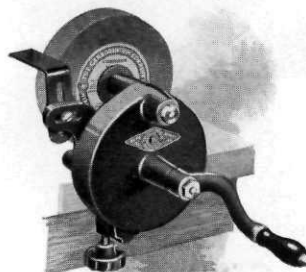
Packed each grinder in carton. One-half dozen in standard crate, weight, 62 lbs.



Carborundum Grinder "C"

THIS machine is larger and heavier than the other two and, therefore, can be used for heavier work in shop, garage, repair station, etc. It is equipped with a Carborundum wheel 6 inches in diameter, 1 inch thick, $\frac{3}{8}$ -inch hole, medium grit.

Packed each grinder in carton. One-half dozen in standard crate, weight, 78 lbs.



The Carborundum Blue Knight Household Grinder "E"

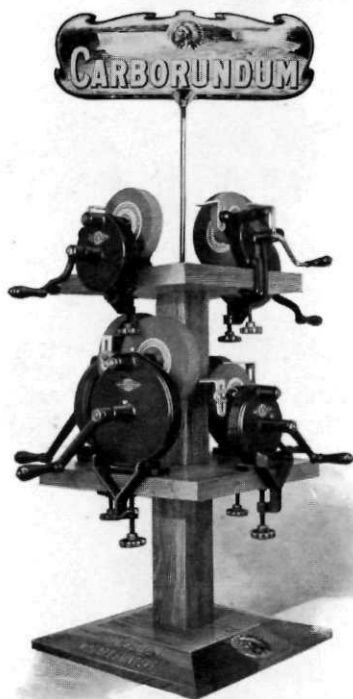


In every home there is a need for one of these handy little Blue Knight Grinders. There always are paring and carving knives to be ground by the housewife—and she can do it with this easy running, serviceable, little machine.

It is equipped with a grinding guide that holds the knife steady and at just the proper angle. Then there are small chisels, plane bits and other small edge tools of the family kit that must be ground once in a while. The Carborundum Blue Knight is the machine to take care of these jobs too.

It is a compact, durable, well constructed little grinder—just the right size for the household—and it is equipped with a genuine Carborundum wheel which cuts fast and clean. The wheel is $3\frac{1}{2}$ inches in diameter and $\frac{3}{4}$ inch thick.

Packed, each grinder in carton. One dozen in standard crate, weight 55 lbs.



The Carborundum Niagara Grinder Display Stands

It has always been more or less of a problem for the hardware dealer to effectively display his stock of grinders. The Carborundum Company, however, has overcome the difficulty for the dealers, who handle the Carborundum Niagara Grinders, by offering the two special grinder display stands.

One stand is built to carry eight grinders and is known as the No. 1 or double stand; the other accommodates four machines and is called the No. 2 or single stand. Both are made from the best quality of quartered oak.

The double stand has a substantial base, two shelves and two uprights. Through the uprights extends a shaft of cold-rolled steel which gives the stand the necessary strength and rigidity. Fastened to the top of the rod is a steel panel, both sides of which show a beautiful view of Niagara Falls lithographed in eight colors. The base of the double stand is 15 inches square. The stand is 45 inches high, over all. Weight packed, 35 lbs.

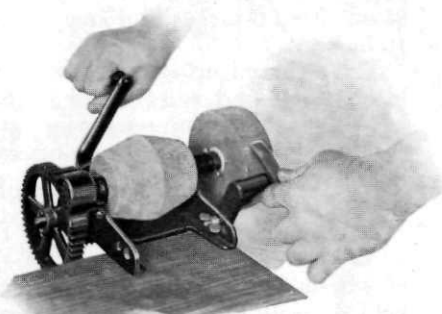
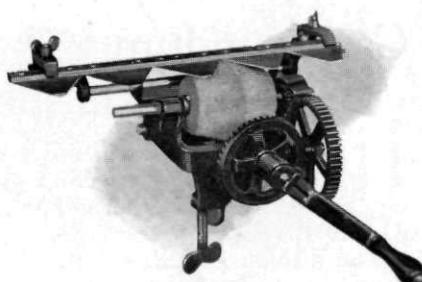
The single grinder display stand is similar in every way to the double stand excepting that it has but one shelf, is 32 inches high over all and the base is 12 inches square. Weight packed, 20 lbs. The shelf is big enough to properly display four of the grinders and like the double stand is made from the best of quartered oak. One stand is given free with a stock of grinders. Details on request.

Carborundum Grinder "D"

THIS machine is especially adapted to work on the farm. It is equipped with a simple practical device for sharpening mower-section knives, a double bevel Carborundum wheel for this work, a special tool wheel and a tool rest. Each wheel is mounted on a special iron center. The machine is strong, durable and is most convenient for sharpening all edge farm tools. The grinder is converted into a tool grinding machine by simply attaching the special tool wheel to the end of the shaft.

The double bevel Carborundum Wheel is $3\frac{1}{2}$ inches in diameter and $3\frac{1}{2}$ inches wide. The Carborundum tool wheel is 4 inches in diameter by $1\frac{1}{4}$ inches thick.

Packed each grinder in carton. One-half dozen in standard crate, weight, 95 lbs.



Carborundum Rubbing Bricks and Stones

UNDER the head of rubbing bricks and stones are manufactured a great variety of different standard or special shapes and sizes of stones for dressing and smoothing granite, marble or concrete and for scouring castings. These stones are not squared up and dressed but are packed as they come from the kilns.

No. 211—8 x 2 x 2 inches
No. 212—8 x 2 x 1 inches
No. 213—6 x 3 x 3 inches
No. 214—6 x 2 x 2 inches

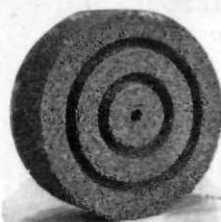
No. 215—6 x 2 x 1 inches
No. 222—4 x 2 x 2 inches
No. 223—4 x 2 x 1 inches



Carborundum Rubbing Bricks for Concrete Work

THE Carborundum rubbing bricks have proved the most economical and the fastest cutting mediums known to the concrete trade for removing form marks, mould marks, and for dressing down all kinds of concrete work. These bricks are fluted on two sides so as to give a shear cut. Made in 20 Grit.

No. 284—Fluted, 8 x 3 x 3 inches
No. 285—Fluted, 8 x 2 x 2 inches
No. 286—Fluted, 6 x 2 x 2 inches
No. 287—Fluted, 4 x 2 x 2 inches
No. 350—Round Fluted, $4\frac{1}{2}$ inches diameter, 2 inches thick



Carborundum and Aloxite Wheel Assortment Display No. 4675

HARDWARE men will surely welcome this display rack for showing and stocking Carborundum and Aloxite Wheels.

The display is designed to carry a complete stock of these wheels in all popular sizes and grits—wheels ranging in size from 3 inches in diameter up to 10 inches.

The display is 27 inches wide and 48 inches high and rests on two sturdy legs and is further supported by a stout easel back. The display can be set on the floor or can also be hung to a wall space by removing legs and easel.

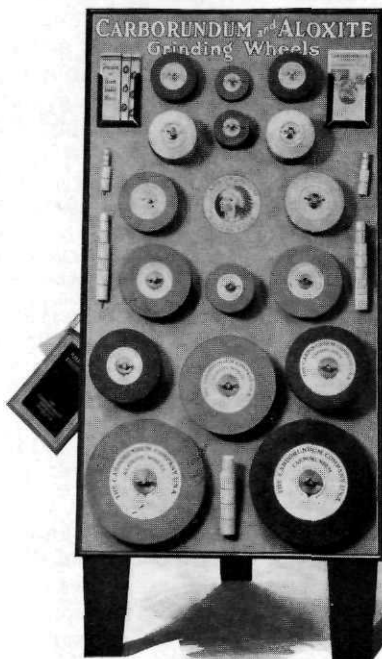
Through the panel is a series of rods or arbors on which the various sizes of wheels are placed. The wheels are held securely by a washer and a wing or butterfly nut, both finished in nickel.

When any set of the wheels is sold a card giving complete instructions on how to re-order will be found attached to the panel underneath.

Provision is also made on the display for carrying a complete stock of the necessary sizes of wood bushings so that the standard sized wheels can be made to fit practically all arbors.

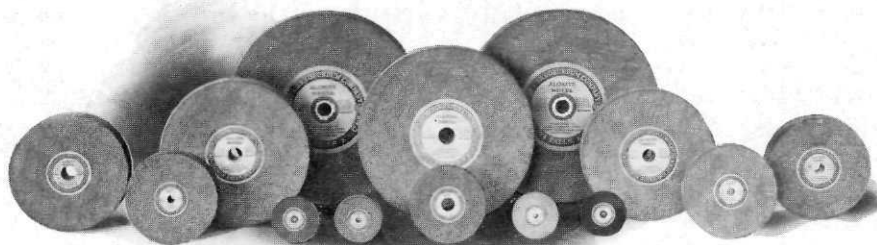
The display is not only practical and convenient in every way but it is so attractive and the wheel assortment so complete that it surely will have the much-desired effect of quickly stimulating sales.

This display is given free with the purchase of an assortment of Carborundum and Aloxite Wheels as listed below.



Carborundum Grinding Wheel Assortment No. 4675

CARBORUNDUM WHEELS	ALOXITE WHEELS	WOOD BUSHINGS
3 only—3" x 1/4" x 3/8"—180-J	3 only—4" x 3/4" x 3/4"—100-J	2—1 1/4" x 1" x 1 1/4"
3 only—3" x 1/2" x 1/2"—100-J	3 only—4" x 1" x 3/4"—60-J	2—1 1/4" x 3/4" x 1 1/4"
3 only—4" x 1/2" x 1/2"—60-J	3 only—4" x 1" x 3/4"—100-J	4—1" x 3/4" x 1 1/4"
3 only—4" x 1/2" x 1/2"—100-J	2 only—5" x 1" x 3/4"—60-J	2—1" x 1/2" x 1 1/4"
2 only—6" x 1 1/4" x 1"—100-I	2 only—5" x 1" x 3/4"—100-J	4—1" x 1/2" x 1"
2 only—7" x 1 1/4" x 1"—80-J	3 only—6" x 1 1/2" x 1 1/2"—100-J	6—3/4" x 1/2" x 1"
1 only—10" x 1 1/2" x 1 1/4"—60-J	2 only—6" x 1" x 1"—60-J	3—3/4" x 1/2" x 3/4"
	2 only—8" x 1" x 3/4"—60-J	3—1 1/2" x 3/8" x 1 1/2"
	1 only—10" x 1 1/2" x 1 1/4"—40-J	4—1 1/2" x 1/4" x 1 1/2"



Carborundum and Aloxite Grinding Wheels

THE demand for Carborundum and Aloxite Wheels in small sizes for general grinding work in the garage, repair shop, small manufacturing plant and similar places where they are grinding tools, parts, fittings, etc., is so great that hardware dealers are urged to carry a complete line of these wheels in stock.

A recommended stock of these wheels would include all sizes in the gradings as shown on the following list.

Dia.	Thick	Arbor		Aloxite	Carbo- rundum	Dia.	Thick	Arbor		Aloxite	Carbo- rundum
2"	x 1/4"	x 1/4"	Fine	120H	180J	6"	x 1/4"	x 1/2"	Fine	100J	100J
2"	x 1/4"	x 1/4"	Medium	100J	120J	6"	x 1/4"	x 1/2"	Medium	60J	60J
2"	x 1/4"	x 1/4"	Coarse	80J	60J	6"	x 1/4"	x 1/2"	Coarse	40J	40J
2"	x 1/2"	x 1/4"	Fine	120J	120J	6"	x 1/2"	x 1/2"	Fine	100J	100J
2"	x 1/2"	x 1/4"	Medium	100J	60J	6"	x 1/2"	x 1/2"	Medium	60J	60J
2"	x 1/2"	x 1/4"	Coarse	60J	36H	6"	x 1/2"	x 1/2"	Coarse	40J	40J
2 1/2"	x 1/4"	x 5/16"	Fine	120J	180H	6"	x 3/4"	x 3/4"	Fine	100J	100J
2 1/2"	x 1/4"	x 5/16"	Medium	80H	120H	6"	x 3/4"	x 3/4"	Medium	60J	60J
2 1/2"	x 1/4"	x 5/16"	Coarse	60J	60J	6"	x 3/4"	x 3/4"	Coarse	40J	40J
3"	x 1/4"	x 3/8"	Fine	120J	180J	6"	x 1"	x 1"	Fine	100J	100J
3"	x 1/4"	x 3/8"	Medium	100J	120J	6"	x 1"	x 1"	Medium	60J	60J
3"	x 1/4"	x 3/8"	Coarse	60J	60J	6"	x 1"	x 1"	Coarse	40J	40J
3"	x 1/2"	x 1/2"	Fine	120J	180J	8"	x 1/2"	x 3/4"	Fine	80J	80J
3"	x 1/2"	x 1/2"	Medium	100J	100J	8"	x 1/2"	x 3/4"	Medium	60J	60J
3"	x 1/2"	x 1/2"	Coarse	60J	60J	8"	x 1/2"	x 3/4"	Coarse	40J	40J
4"	x 1/4"	x 1/2"	Fine	120J	180J	8"	x 3/4"	x 3/4"	Fine	60J	60J
4"	x 1/4"	x 1/2"	Medium	100J	120J	8"	x 3/4"	x 3/4"	Medium	40J	40J
4"	x 1/4"	x 1/2"	Coarse	60J	60J	8"	x 3/4"	x 3/4"	Coarse	30I	30H+
4"	x 1/2"	x 1/2"	Fine	100J	100J	8"	x 1"	x 3/4"	Fine	60J	60J
4"	x 1/2"	x 1/2"	Medium	60J	60J	8"	x 1"	x 3/4"	Medium	40J	40J
4"	x 1/2"	x 1/2"	Coarse	40J	40K	8"	x 1"	x 3/4"	Coarse	30H	30H+
4"	x 3/4"	x 3/4"	Fine	100J	100J	8"	x 1 1/4"	x 1"	Fine	60J	60J
4"	x 3/4"	x 3/4"	Medium	60J	60J	8"	x 1 1/4"	x 1"	Medium	40J	40J
4"	x 3/4"	x 3/4"	Coarse	40J	40J	8"	x 1 1/4"	x 1"	Coarse	24H	24H+
4"	x 1"	x 3/4"	Fine	100J	100J	8"	x 1 1/2"	x 1"	Fine	60J	60J
4"	x 1"	x 3/4"	Medium	60J	60J	8"	x 1 1/2"	x 1"	Medium	40J	40J
4"	x 1"	x 3/4"	Coarse	40J	40J	8"	x 1 1/2"	x 1"	Coarse	24H	24H+

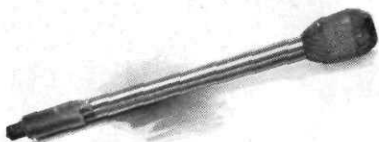
Carborundum and Aloxite Grinding Wheels—Continued

Dia.	Thick	Arbor		Aloxite	Carbo- rundum	Dia.	Thick	Arbor		Aloxite	Carbo- rundum
10" x 1 1/2"	x 1"		Fine	80J	80J	12" x 3/4"	x 1 1/4"		Fine	60J	60J
10" x 1 1/2"	x 1"		Medium	40J	40J	12" x 3/4"	x 1 1/4"		Medium	40J	40J
10" x 1 1/2"	x 1"		Coarse	36M	30I	12" x 3/4"	x 1 1/4"		Coarse	24H	24H+
10" x 3/4"	x 1"		Fine	60J	60J	12" x 1"	x 1 1/4"		Fine	60J	60J
10" x 3/4"	x 1"		Medium	40J	40J	12" x 1"	x 1 1/4"		Medium	40J	40J
10" x 3/4"	x 1"		Coarse	30I	30H+	12" x 1"	x 1 1/4"		Coarse	24H	24H+
10" x 1"	x 1"		Fine	60J	60J	12" x 1 1/4"	x 1 1/4"		Fine	60J	60J
10" x 1"	x 1"		Medium	40J	40J	12" x 1 1/4"	x 1 1/4"		Medium	40J	40J
10" x 1"	x 1"		Coarse	30I	30H+	12" x 1 1/4"	x 1 1/4"		Coarse	24H	24H+
10" x 1 1/4"	x 1 1/4"		Fine	60J	60J	12" x 1 1/2"	x 1 1/4"		Fine	60J	60J
10" x 1 1/4"	x 1 1/4"		Medium	40J	40J	12" x 1 1/2"	x 1 1/4"		Medium	36J	36J
10" x 1 1/4"	x 1 1/4"		Coarse	24H	24H+	12" x 1 1/2"	x 1 1/4"		Coarse	24H	24H+
10" x 1 1/2"	x 1 1/4"		Fine	60J	60J	12" x 2"	x 1 1/4"		Fine	30H	36J
10" x 1 1/2"	x 1 1/4"		Medium	40J	40J	12" x 2"	x 1 1/2"		Medium	24H	20G+
10" x 1 1/2"	x 1 1/4"		Coarse	24H	24H+	12" x 2"	x 1 1/4"		Coarse	20G	16G+
10" x 2"	x 1 1/4"		Fine	60J	60J						
10" x 2"	x 1 1/4"		Medium	40J	40J						
10" x 2"	x 1 1/4"		Coarse	24H	24H+						

Aloxite Saw Gumming Wheels

Dia.	Thick	Arbor		Aloxite	Dia.	Thick	Arbor		Aloxite
6" x 1 1/2"	x 1 1/2"		Round face 365 K	D841	10" x 1 1/2"	x 3/4"		Round face 365 K	D841
8" x 3/8"	x 5/8"		Round face 365 K	D841	12" x 1 1/2"	x 3/4"		Round face 365 K	D841
8" x 1 1/2"	x 5/8"		Round face 365 K	D841	12" x 3/8"	x 3/4"		Round face 365 K	D841
					12" x 3/4"	x 1"		Round face 365 K	D841

NOTE—The wheels listed above are in standard sizes and are graded to meet the average everyday grinding conditions. Effort should always be made to have the customer order from this standard list. To meet exceptional conditions where the spindle size varies from the standard we can supply wood bushings for the wheel arbors. Reasonably quick deliveries can always be made from this standard list.



Carborundum Wheel Dresser

THE No. 55 Carborundum stick dresser will be found to be an economical and satisfactory tool for dressing or cleaning the grinding surface of medium grit wheels, such as saw gummers, and also for forming special faces on fine wheels.

No. 55—Carborundum Stick Dresser with Carborundum Stick complete.

No. 56—Extra Stick for Dresser, 6 inches long, 1/2-inch diameter.



Carborundum Sticks for Truing and Dressing Wheels

No. 346—Carborundum Stick, size 9 x 1 x 1 inches

No. 347—Carborundum Stick, size 6 x 1 x 1 inches

No. 212—Carborundum Stick, size 8 x 2 x 1 inches

No. 215—Carborundum Stick, size 6 x 2 x 1 inches

Carborundum Razor Strops

CARBORUNDUM Razor Strops are made from the finest of selected leather hand-buffed and finished. The sharpening sides of some of these strops are corrugated and into the corrugations and into the texture of the leather extremely fine hand-washed Carborundum powder is worked. This feature, which is found only in Carborundum Strops, brings the dulllest razor to an edge after but two or three strokes. The strops are fitted with new, novel and practical hardware.

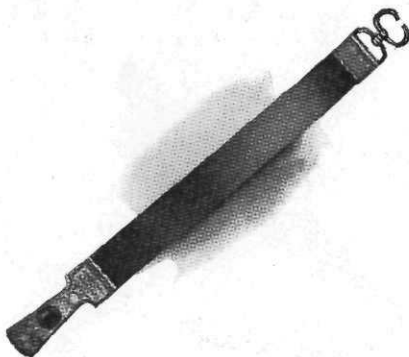
No. 425—The best quality of genuine heavy shell horsehide, finished in black. The strop has the plain handle of russet embossed leather. The single swivel ring hardware is nickel-plated. Size, $2\frac{1}{2}$ inches wide and 26 inches long.

Packed $\frac{1}{2}$ dozen in box.



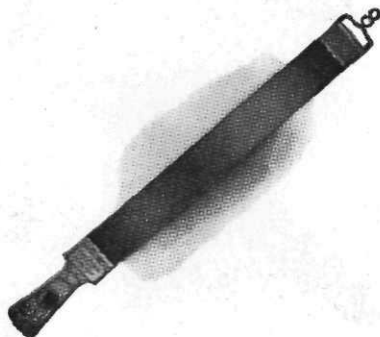
No. 431—A medium weight strop of genuine shell horsehide, finished in satin tan. The split-ring hardware is of brass gilt. The handle is of russet leather embossed. Size, $2\frac{1}{4}$ inches wide, and 26 inches long.

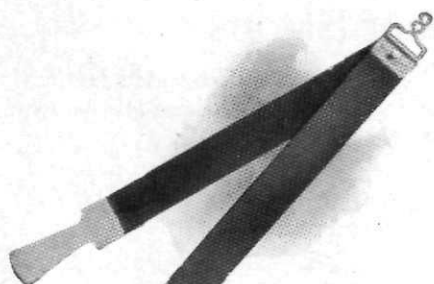
Packed $\frac{1}{2}$ dozen in box.



No. 434—Genuine light weight horsehide of splendid quality. The handle is of russet leather, embossed. The hardware is of the figure eight type. Size, $2\frac{1}{4}$ inches wide and 26 inches long.

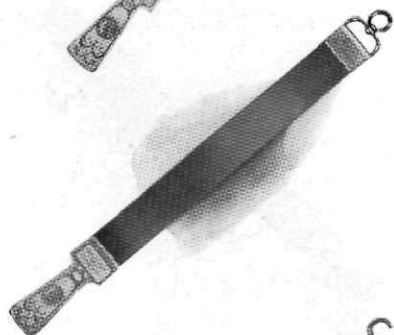
Packed $\frac{1}{2}$ dozen in box.





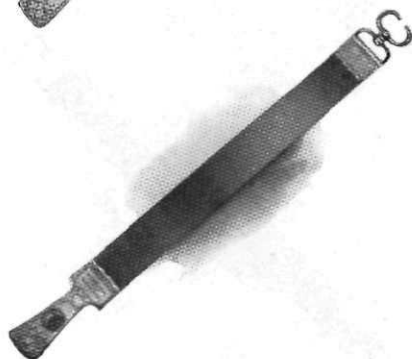
No. 435—This is a combination strop. One strop is of light weight genuine horsehide, corrugated and filled with Carborundum powder. The other strop is a specially treated canvas honing strop. They are fastened by a patent swivel clamp. The hardware is of the figure eight nickel wire pattern. Size, $2\frac{1}{4}$ inches wide and 26 inches long.

Packed $\frac{1}{2}$ dozen in box.



No. 436—Cut from medium weight genuine horsehide. The handle is of the plain type of russet embossed leather. The single ring hardware is heavily nickel-plated. Size, $2\frac{1}{4}$ inches wide and 26 inches long.

Packed $\frac{1}{2}$ dozen in box.



No. 440—Is cut from heavy black genuine horsehide. The split-ring hardware is in the brass gilt finish. Equipped with the ordinary handle of embossed leather. Size, $2\frac{1}{4}$ inches wide and 26 inches long.

Packed $\frac{1}{2}$ dozen in box.

Carborundum Auto Strop



THIS strop is designed especially for the sharpening of safety razor blades and is used in connection with the automatic stropping devices. One side of the strop is corrugated and filled with the finest of Carborundum powder for bringing the blade to an edge, the other side plain for giving the finished edge. The stock is light weight genuine horsehide.

Standard
Package

No. 444—Carborundum Auto Strop, 15 inches long, $1\frac{1}{2}$ inches wide 1 doz.

NIAGARA FALLS, NEW YORK

No. 449—This strop is one of the most convenient of the Carborundum line. It is fitted with the split-ring holder, enabling the user to attach it to almost any article of furniture. The handle is of the cavalry style. The leather is genuine shell horsehide, finished in satin tan. The strop is handy for traveling men, as it fits, without rolling, into the traveling bag or suit case. Size, $2\frac{1}{4}$ inches wide and 20 inches long.

Packed $\frac{1}{2}$ dozen in box.



No. 450—Combination strop, both of light weight genuine horsehide. Trimmed with red leather. Hardware of nickel-plated wire, figure eight pattern. Size, 2 inches wide and 19 inches long.

Packed $\frac{1}{2}$ dozen in box.



No. 455—A double strop, one finished in black, corrugated and impregnated with Carborundum; the other a plain red finishing strop. The handle is plain cut leather. The hardware is a metal tip and single swivel nickel ring. Both strops are cut from extra heavy cowhide. Size, 2 inches wide and 24 inches long.

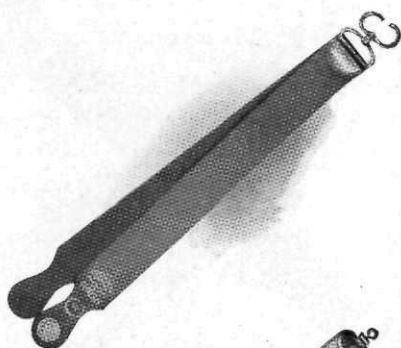
Packed $\frac{1}{2}$ dozen in box.



No. 459—A splendid quality of horsehide. It has the single ring holder and embossed handle. Size, $2\frac{1}{4}$ inches wide and 22 inches long.

Packed one dozen in box.





No. 472—A combination strop. One of heavy genuine black horsehide, corrugated and filled with the finest of Carborundum powder, used for bringing the razor quickly to an edge; the other, a finishing strop of heavy red horsehide. The holder is of the split ring type finished in gilt, the handles being shaped from the strop stock. Size, $2\frac{1}{4}$ inches wide and 22 inches long.

Packed $\frac{1}{2}$ dozen in box.



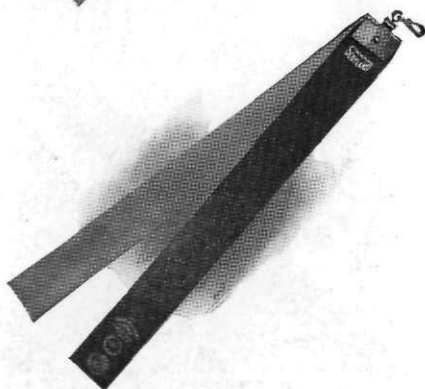
No. 479—Size, $2\frac{1}{4}$ inches wide and 27 inches long. Double strop, natural suede on the finishing side, black corrugated leather with Carborundum on sharpening side. Black leather, silver embossed handle and tip. Black enamel single ring hardware. Padded handle.

Packed $\frac{1}{2}$ dozen in box.



No. 481—This is known as the "Royal Seal" strop. A combination strop. One of heavy weight specially treated for sharpening, the other of lighter weight horsehide for finishing. Size, $2\frac{1}{4}$ inches wide and 24 inches long.

Packed $\frac{1}{2}$ dozen in box.



No. 484—A combination strop of the finest quality. One strop is of the best grade of selected genuine shell horsehide for finishing and the sharpening strop is of white canvas specially filled or treated, ready to use. The trimmings are nickel finish. Size, $2\frac{1}{2}$ inches wide and 24 inches long.

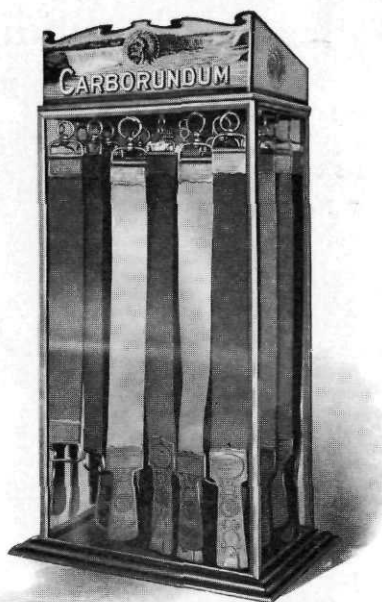
Packed $\frac{1}{2}$ dozen in box.

Carborundum Razor Strop Display Case

THE Carborundum razor strop display case has a substantial wood frame and heavy glass panels. The front glass panel bears the legend "Carborundum Razor Stropps." The case is 29 inches high, not including the colored display panel at the top. The case is $9\frac{3}{4}$ inches deep and $15\frac{1}{2}$ inches wide, just the right size to be shown from a counter or to be used in window display work. At the back is a double door opening the full height of the case, and the stropps hang from wood slides which can be pulled out so as to be reached easily.

This case is given free with assortment of six dozen stropps.

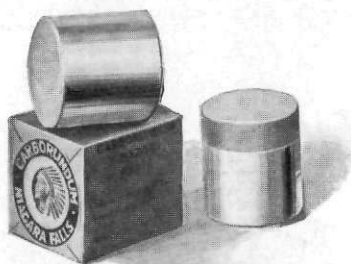
Weight packed, 40 lbs.



Carborundum Razor Strop Dressing

CARBORUNDUM razor strop dressing is made from a mixture of specially prepared wax and the finest Carborundum powder possible to produce—powder so fine that it will float in water for an hour. The preparation is simply applied lightly to the sharpening side of the strop and it gives the razor a quick, keen, non-pulling edge, and it does not work any injury to the blade. Put up in sticks wrapped in tin foil and sealed in cartons.

No. 67 Razor Paste packed one dozen cartons in display stand.



Carborundum Razor Strop Dressing Display

FOR the convenience of the trade and to stimulate sales, Carborundum razor strop dressing is put out in a very attractive lithographed steel display done in five colors.

Furnished free with one dozen sticks of No. 67 Razor Strop Dressing.



THE CARBORUNDUM COMPANY

Carborundum and Aloxite Grains and Powders



CARBORUNDUM and Aloxite grains are produced by crushing and grinding the crude crystals, washing and separating into various sizes by sieving. These are numbered, the same as emery, in accordance with the number of threads per lineal inch of the sieve through which they have passed as

follows: 6, 8, 10, 12, 14, 16, 20, 24, 30, 36, 40, 50, 60, 70, 80, 90, 100, 120, 150, 180, 220.

Powders are the grains too fine to size by ordinary sieving. These are graded by floating in water. F, FF, FFF powders include in their numbers all grades of fineness from F the next finest after No. 220, to FFF, which contains the very finest dust.

Packed in $\frac{1}{2}$, 1 and 5-lb. cans and 10-lb. bags, or in drums or kegs.

Carborundum Super-Speed Valve-Grinding Compound

CARBORUNDUM Super-Speed Valve-Grinding Compound is a faster cutting water mixed compound that not only cuts with speed but gives the smooth, uniform finish of a grease mix compound. Super-Speed does a better job of valve grinding quicker. It leaves a smooth, uniformly ground, power tight valve seating without rings or scores.



Carborundum Super-Speed Compound is put up in four sizes of cans.

Standard Package

No. 490— 2-ounce Can	1 doz. in display carton
No. 491— 4-ounce Can	1 doz. in display carton
No. 492— 8-ounce Can	
No. 493—16-ounce Can	



Carborundum Super-Speed Compound in Display Boxes

The 2 and 4-ounce cans of Super-Speed Compound are put up one dozen in an attractive display carton as illustrated.

Carborundum Grease Mix Valve-Grinding Compound

THE Carborundum Company also manufactures Carborundum Grease mixed valve-grinding compound which is preferred by some. It is a fast, clean cutting compound that gives a smooth, uniform finish. Put up in handy combination cans carrying fine and coarse compound.

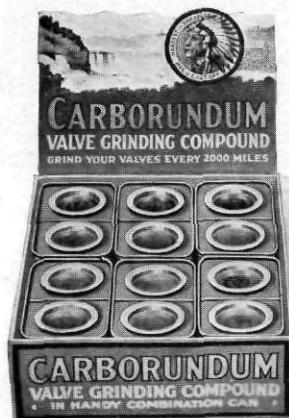
Standard
Package

No. 277—Carborundum Grease Mixed Compound Combination Can 1 doz. in carton



Carborundum Valve-Grinding Compound Display Cartons

THE Carborundum Grease Mixed Valve-Grinding Compound in Combination Cans is put up one dozen cans in an attractive lithographed display. The display is given free. Weight of carton filled, $3\frac{3}{4}$ pounds.



Carborundum Valve-Grinding Compound in Tins

CARBORUNDUM grease mixed valve-grinding compound is also sold in tins containing one or five pounds of either the coarse or fine compound for convenience of garage and repair shops, etc.

Standard
Package

Carborundum Grease Mixed Valve-Grinding Compound, in one pound tins, No. 360 fine, No. 361 medium, No. 362 coarse 1 doz.

Carborundum Grease Mixed Valve-Grinding Compound in five-pound tins, No. 363 fine, No. 364 medium, No. 365 coarse 1 only



THE CARBORUNDUM COMPANY

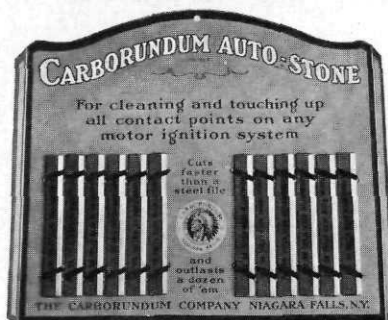
Carborundum Auto Stone



THE Carborundum Auto Stone is for filing and cleaning up all contact points on all motors. It cuts faster than a steel file and will out-last a dozen of them. The stone is re-enforced with a metal back to prevent breakage.

Standard
Package

No. 325—Carborundum Auto Stone,
4 x $\frac{1}{2}$ x $\frac{1}{16}$ inches 1 doz. on display card



Carborundum Auto Stone Display

FOR display purposes the Carborundum No. 325 Auto Stone is put up one dozen mounted on attractive counter display card. Display is furnished free with one dozen stones.

Carborundum Fixed Radio Detector



THE Carborundum Radio Detector is fixed, permanent, requires no adjustment, does not lose its sensitivity and positively will not burn out. It is made with Carborundum created specially for radio work. It can be used in practically any set from the modest crystal outfit to the super sets. Increases selectivity and brings crystal clear tones.

Standard
Package

No. 30—Carborundum Detector . . . 1 doz. in display



Carborundum Radio Detector in Display Holder

ONE dozen of the No. 30 Carborundum Radio Detectors are displayed in this attractive cardboard display fixture. Each detector is shown in its carton.

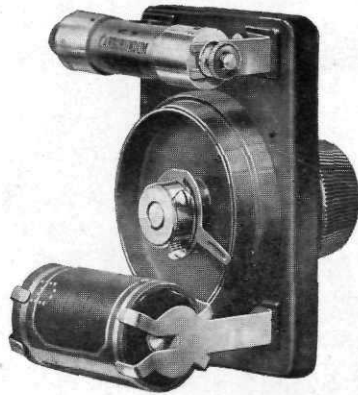
Display given free with order for one dozen Carborundum Detectors.

The Carborundum Stabilizing Detector Unit

BUILT around the Carborundum Fixed Detector is this simple, highly efficient stabilizing device. By adjusting the detector resistance to match the circuit it controls self-oscillation in radio frequency tubes. It gives greater sensitivity and crystal clear tones. A small flash light dry cell affixed to the Detector Unit gives the necessary booster voltage to the detector and this voltage is controlled by the potentiometer. The unit is furnished with the Carborundum Fixed Detector but without the dry cell battery.

Standard
Package

No. 32—Carborundum Stabilizing Detector Unit 1 only



Carborundum Grid Leaks and Resistors

CARBORUNDUM Grid Leaks and Resistors are made with a solid rod of unbreakable Carborundum which is the greatest of all electrical resisting materials. There is no metallic film to disintegrate. The Carborundum Grid Leaks and Resistors are positively noiseless, do not disintegrate with use or time.

Carborundum Grid Leaks are made in the following standard values: $\frac{1}{4}$, $\frac{1}{2}$ and from 1 to 10 Megohms.

Carborundum Resistors are made in the following standard values: 12 M, 25 M, 50 M, 75 M and 100 M Ohms.

Standard
Package

No. 77—Carborundum Grid Leak . . . 1 each in carton

No. 79—Carborundum Resistor . . . 1 each in carton



Five dozen Carborundum Grid Leaks and Resistors in assorted values are put up in an attractive display fixture. The display is given free with order for five dozen assortment.

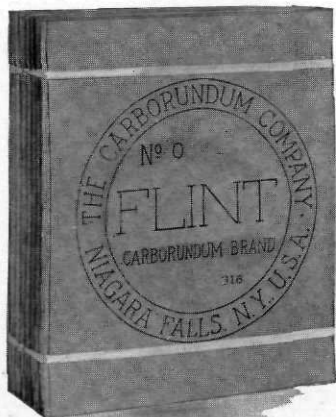
Carborundum Made Flint Paper

THE Carborundum Company manufactures two brands of Flint Paper known as The Carborundum Brand and the Niagara Brand. Both are identical in quality, being a superior grade of hard, sharp, pure Flint uniformly coated on the best quality of paper backing. Both brands are sharp, fast cutting and durable. Carborundum Brand Flint Paper is cut in standard 9 x 11-inch sheets; the Niagara Brand is furnished in $8\frac{3}{4}$ x $10\frac{1}{2}$ -inch sheets.



The Carborundum Handipac Flint Paper Carton

FOR the convenience of both the dealer and the purchaser of Carborundum made Flint papers the Handipac Carton is offered. The Handipac Carton is a sturdy cardboard box, offering a better package for this better Flint paper. The Handipac Carton insures clean, unwrinkled sheets and offers a most economical way for the buyer of Flint paper to buy this product by the box. For the dealer the Handipac Carton offers a better way to keep his stock. A set of Handipac Cartons carrying an assortment of Flint paper in various grits can be carried on the store shelf. By simply lifting the split cover of any box, the sheets are instantly available. It does away with waste, keeps the stock clean and free from torn, ragged sheets. The Handipac Cartons are attractive and stimulate sales—especially by the box.



Carborundum Made Flint Paper in Reams

BESIDES the Handipac Carton, Carborundum Made Flint Paper can be supplied in standard ream bundles either in the Carborundum Brand or the Niagara Brand.

Packed in standard bundles as follows:

GRITS	4/0 to 1/0	$\frac{1}{2}$	1	$1\frac{1}{2}$	2 and $2\frac{1}{2}$	3	$3\frac{1}{2}$ and 4	Assorted
REAMS	5	4	$3\frac{1}{2}$	3	2	$1\frac{1}{2}$	1	3

Aloxite Cloth

ALOXITE is one of the ideal abrasive materials for metal work, and when coated on cloth it is far superior to emery for general shop use. Aloxite is exceedingly hard and extremely tough, and it not only does better and faster work than emery, but the Aloxite cloth, because of the toughness of the grain, shows much longer life.

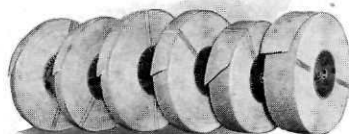
Put up in standard packages of 9 x 11-inch sheets in all standard grits.

Aloxite Cloth is also made in all standard widths in standard rolls.



Aloxite Cloth in Economy Rolls

ALOXITE CLOTH is also put up in economy rolls as well as in reams, sheets and rolls. The cloth is cut in $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, 1, $1\frac{1}{2}$ and 2-inch widths, snugly wound on wood spools. The machine-shop operator simply cuts off a piece in any length of the width that he desires. Loss of time and the destruction of good cloth by tearing strips from the regular sheets is eliminated. The rolls are fifty yards long and are made in any desired grit.

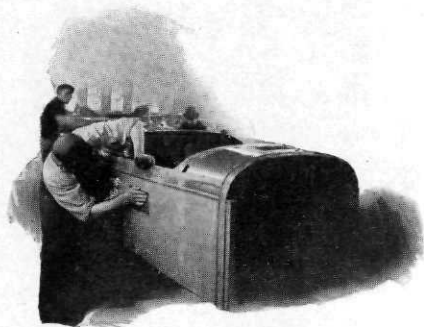


Carborundum Brand Garnet Paper and Cloth

THE Carborundum Company manufactures a complete line of Garnet Paper and Cloth Products for all sanding purposes. For the hardware trade these products are furnished in standard ream bundles in all standard grits. Carborundum Brand Garnet Paper and Cloth are far superior to the ordinary sand paper—cutting faster, lasting longer. Complete information regarding these products upon application.



Carborundum Brand Waterproof Paper



For the wet sanding of automobile body work, fine furniture and other products, Carborundum Brand Waterproof Paper is highly recommended. It can be furnished coated with either Carborundum, Garnet or Aloxite, depending upon the sanding conditions. Carborundum Brand Waterproof Paper is always uniformly coated with positively uniformly graded grain. It is extremely flexible and absolutely waterproof. Wet sand with Carborundum Brand Waterproof Papers and you will have the perfect foundation for a perfect finish. Made in three weights of extremely flexible paper backing and furnished in standard ream bundles and in the following grits.

Further information on Carborundum Brand Waterproof Papers and a complete catalog on Coated Abrasive Products sent on request.

Carborundum Waterproof Paper Grits, 400, 320, 280, 240, 220, 180, 150, 120, 100, 80, 60.

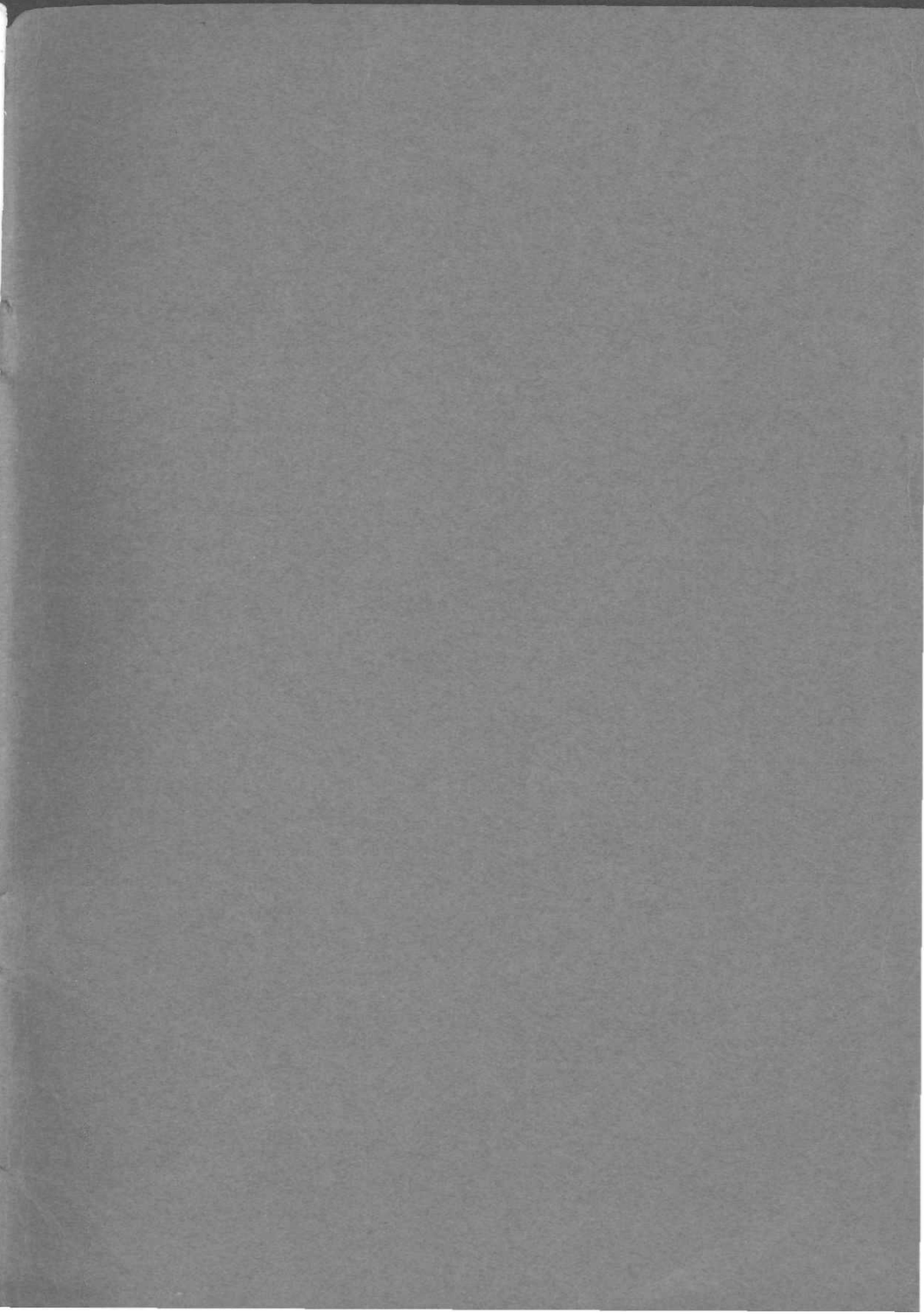
Aloxite Waterproof Paper Grits, 400, 320, 280, 240, 220, 180.

Garnet Waterproof Paper Grits, 280, 240, 220, 180, 150, 120, 100, 80.



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1927



The Carborundum Company

Niagara Falls, N. Y.



PRICE LIST

January 1st, 1928

SUPPLEMENT TO CATALOG No. 98

Carborundum and Aloxite Sharpening Stones, Razor Hones, Knife Sharpeners,
Aloxite Cloth, Grinders, Grinding Wheels, Waterproof Papers, etc.

No.	List Price	Commodity	Size	Grade	Standard Package	Weight per Dozen	Page
30	\$1.50 each	Crystal Detector	.....	.....	1 doz.	2 lbs.	42
32	3.50 "	Stabilizing Unit	.....	.....	1 only	6 1/2 "	43
44	.50 "	Hook Stone	2 7/8 in long	.....	1 doz.	1 1/2 "	24
47	1.00 "	Wood Box for 333 Stone	12x2 1/2 x 1 1/2	.....	1 only	5 "	10
48	1.50 "	Wood Box for 107 Comb. Stone	.....	.....	"	15 "	9
49	.40 "	6" Wood Boxes for Oil Stones	6x2x1	.....	1/2 doz.	2 3/4 "	10
50	.45 "	7" " " " " "	7x2x1	.....	1/2 "	2 3/4 "	10
51	.50 "	8" " " " " "	8x2x1	.....	1/2 "	3 1/2 "	10
52	.85 "	6" Iron " " " "	6x2x1	.....	1/2 "	27 "	10
53	1.00 "	7" " " " " "	7x2x1	.....	1/2 "	32 "	10
54	1.15 "	8" " " " " "	8x2x1	.....	1/2 "	37 "	10
55	2.00 "	Wheel Dresser	.....	.....	1 only	6 "	34
56	.55 "	Stick for Dresser	.....	.....	1 doz.	1 "	34
57	1.00 "	Carborundum File	13 in. long	.....	1 or 3 "	19 "	18
58	.45 "	Shoemakers' Stone	10x1 1/4 x 3/4	.....	1 "	7 1/2 "	15
59	1.25 "	Carborundum File	13 in long	.....	1 only	19 "	18
60	.35 "	Shoemakers' Strop	13 1/2 x 1 1/4	.....	1 doz.	3 1/4 "	21
62	.30 "	" "	12x5/8	.....	1 "	2 1/4 "	21
64	.35 "	" "	13 1/2 x 1 1/4	.....	1 "	3 1/4 "	21
67	.25 "	Razor Strop Dressing	.....	.....	1 "	2 1/4 "	39
70	.50 "	Cloth Cutters Knife Stone	6x3/4	with wood handle	1 "	5 "	23
76	.50 "	Knife Sharpener	14 in. long	.....	1 "	9 "	20
77	.50 "	Grid leaks	.....	.....	1/2 doz.	3/4 "	43
78	1.00 "	Knife Sharpener	13 in. long	.....	1/2 "	7 "	20
79	1.00 "	Resistors (2,500 & 5,000 ohms)	.....	.....	1/2 "	3/4 "	43
79	.75 "	" (12,000 to 100,000 ohms)	.....	.....	1/2 "	3/4 "	43
80	.40 "	Carvers Slip	2 1/4 x 7/8 x 3/16	fine	1/4 "	1/4 "	11
81	.40 "	" "	2 1/4 x 7/8 x 3/16	med. fine	1/4 "	1/4 "	11
82	.40 "	" "	2 1/4 x 7/8 x 3/16	medium	1/4 "	1/4 "	11
83	.40 "	" "	2 1/4 x 7/8 x 3/16	fine	1/4 "	1/4 "	11
84	.40 "	" "	2 1/4 x 7/8 x 3/16	med. fine	1/4 "	1/4 "	11
85	.40 "	" "	2 1/4 x 7/8 x 3/16	medium	1/4 "	1/4 "	11
86	.40 "	" "	2 1/4 x 7/8 x 3/16	fine	1/4 "	1/4 "	11
87	.40 "	" "	2 1/4 x 7/8 x 3/16	med. fine	1/4 "	1/4 "	11
88	.40 "	" "	2 1/4 x 7/8 x 3/16	medium	1/4 "	1/4 "	11

2/27/28 George Dub 84.00













No.	List Price	Commodity	Size	Grade	Standard Package	Weight per Dozen	Page
89	\$.40 each	Carvers Slip	2¼x7⁄8x3⁄16	fine	¼ doz.	¼ lb.	11
90	.40 "	" "	2¼x7⁄8x3⁄16	med. fine	¼ "	¼ "	11
91	.40 "	" "	2¼x7⁄8x3⁄16	medium.	¼ "	¼ "	11
93	2.25 "	Engravers' Chuck including 1 doz. Pencil Points	.....	.....	1 only	1 "	15
94	1.25 "	Engravers' Pencil Points	1x1⁄8	Assorted	1 doz.	¼ "	15
97	.75 "	Points	3 in. long	fine	½ "	¼ "	13
98	.75 "	" "	" "	medium.	½ "	¼ "	13
99	.75 "	" "	" "	coarse ..	½ "	¼ "	13
100	1.00 "	Instrument Hone in Leather Case	4x1 x3⁄8	extra fine	½ "	1½ "	22
101	1.75 "	Razor Hone	6x2 x5⁄8	.....	½ "	7½ "	17
101A	1.35 "	" "	5x2 x1⁄2	.....	½ "	5 "	17
102	.75 "	" "	4x1½x1½	.....	½ "	3 "	17
103	1.15 "	" "	4x2 x1½	.....	½ "	4 "	17
104	.75 "	" "	3x2 x5⁄8	.....	½ "	3½ "	17
105	2.75 "	" "	8x2½x3⁄4	.....	¼ "	14 "	17
106	1.00 "	" "	4x2 x1½	.....	½ "	3¾ "	17
107	1.25 "	Combination Stone	4x1 Rd.	comb...	¼ "	11¼ "	9
108	1.75 "	" "	8x2 x1	" ..	½ "	13 "	8
109	1.25 "	" "	6x2 x1	" ..	½ "	10 "	8
110	1.50 "	" "	7x2 x1	" ..	½ "	12 "	8
111	1.00 "	" "	5x2 x3⁄4	" ..	½ "	6½ "	8
112	.85 "	" "	4x1¾x5⁄8	" ..	½ "	4 "	8
113	1.50 "	Sportsman's Combination Stone in Leather Case	3 in dia.	" ..	½ "	4 "	22
114	1.25 "	Sportsman's Combination Stone in Leather Case	4x1½x 1⁄2	" ..	½ "	2¾ "	22
115	1.50 "	Sharpening Stone	8x2 x1	fine.....	½ "	14 "	8
115S	1.00 "	Razor Hone	4x2 x1	"	½ "	6¾ "	17
116	1.50 "	Sharpening Stone	8x2 x1	medium	½ "	14 "	8
117	1.50 "	" "	8x2 x1	coarse ..	½ "	14 "	8
118	1.35 "	" "	8x2 x 3⁄4	fine.....	½ "	10 "	8
118S	.90 "	Razor Hone	4x2 x 3⁄4	"	½ "	5 "	17
119	1.35 "	Sharpening Stone	8x2 x 3⁄4	medium.	½ "	11 "	8
120	1.35 "	" "	8x2 x 3⁄4	coarse ..	½ "	11 "	8
121	1.15 "	" "	6x2 x1	fine	½ "	11 "	8
122	1.15 "	" "	6x2 x1	medium.	½ "	11 "	8
123	1.15 "	" "	6x2 x1	coarse ..	½ "	11 "	8
124	.90 "	" "	6x2 x 5⁄8	fine	½ "	6½ "	8
125	.90 "	" "	6x2 x 5⁄8	medium.	½ "	6½ "	8
126	.90 "	" "	6x2 x 5⁄8	coarse ..	½ "	6½ "	8
130	.70 "	" "	6x1½x 1⁄2	fine	½ "	4¼ "	8
131	.70 "	" "	6x1½x 1⁄2	medium.	½ "	4¼ "	8
132	.70 "	" "	6x1½x 1⁄2	coarse ..	½ "	4¼ "	8
133	1.25 "	" "	7x2 x1	fine	½ "	12 "	8
134	1.25 "	" "	7x2 x1	medium.	½ "	12 "	8
135	1.25 "	" "	7x2 x1	coarse ..	½ "	12 "	8
136	.75 "	" "	5x2 x 5⁄8	fine	½ "	5½ "	8
137	.75 "	" "	5x2 x 5⁄8	medium.	½ "	5½ "	8
138	.75 "	" "	5x2 x 5⁄8	coarse ..	½ "	5½ "	8
142	.65 "	" "	4x1¾x 1⁄2	fine	½ "	3¼ "	8
143	.65 "	" "	4x1¾x 1⁄2	medium.	½ "	3¼ "	8
144	.65 "	" "	4x1¾x1½	coarse ..	½ "	3¼ "	8
145	.45 "	" "	4x1 x 1⁄4	fine	1½ "	1 "	8
146	.45 "	" "	4x1 x 1⁄4	medium.	1 "	1 "	8
147	.45 "	" "	4x1 x 1⁄4	coarse ..	1 "	1 "	8

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No.	List Price	Commodity	Size	Grade	Standard Package	Weight per Dozen	Page
392	\$.35 each	Carborundum Jointer Stone	4 x 7 1/8 x 3/16	medium.	1/2 doz.	1/2 lb.	11
393	.40 "	" " "	4 x 1 x 3/8	medium.	1/2 "	1/2 "	11
394	.55 "	" " "	4 x 1 1/2 x 1/2	medium.	1/2 "	2 1/2 "	11
395	1.00 "	" " "	4 x 2 1/2 x 3/4	medium.	1/2 "	9 "	11
397	1.60 "	" " "	6 x 3 1/2 x 3/4	medium.	1/2 "	13 1/4 "	11
398	1.50 "	" " "	6 1/4 x 3 x 3/4	medium.	1/2 "	11 3/4 "	11
399	.45 "	" " "	4 x 1 x 1/2	medium.	1/2 "	1 3/4 "	11
400	.65 "	" " "	4 x 1/2 x 3/4	medium.	1/2 "	3 1/2 "	11
410	.40 "	" " "	4 x 1 1/4 x 3/8	medium.	1/2 "	1 1/2 "	11
411	1.10 "	" " "	4 x 3 x 3/4	medium.	1/2 "	7 "	11
412	1.35 "	" " "	4 x 4 x 3/4	medium.	1/2 "	9 1/2 "	11
413	.55 "	" " "	6 x 3/4 x 3/4	medium.	1/2 "	2 1/4 "	11
414	.55 "	" " "	4 x 1 x 3/4	medium.	1/2 "	7 1/2 "	11
425	2.50 "	Razor Strop	.....	.....	1/2 "	4 "	35
431	2.75 "	" "	.....	.....	1/2 "	4 1/2 "	35
434	1.75 "	" "	.....	.....	1/2 "	4 "	35
435	2.50 "	" "	.....	.....	1/2 "	5 1/2 "	36
436	2.00 "	" "	.....	.....	1/2 "	4 1/2 "	36
440	2.25 "	" "	.....	.....	1/2 "	4 1/2 "	36
444	1.00 "	" "	.....	.....	1 "	1/2 "	36
449	2.25 "	" "	.....	.....	1/2 "	3 1/2 "	37
450	1.65 "	" "	.....	.....	1/2 "	4 "	37
455	2.00 "	" "	.....	.....	1/2 "	5 "	37
459	1.50 "	" "	.....	.....	1 "	3 "	37
472	2.75 "	" "	.....	.....	1/2 "	6 "	38
479	2.50 "	" "	.....	.....	1/2 "	6 1/2 "	38
481	2.75 "	" "	.....	.....	1/2 "	6 1/2 "	38
484	4.75 "	" "	.....	.....	1/2 "	4 "	38
490	.30 "	Valve Compound	2 oz.	garage..	1 "	4 "	40
491	.50 "	" "	4 oz.	garage..	1 "	6 "	40
492	.75 "	" "	8 oz.	garage..	1 "	9 "	40
493	1.50 "	" "	16 oz.	garage..	1 "	17 "	40
1500	13.50 "	Carborundum Hone Display	contains 12 hones	.....	1 asstm't		17
4675		Wheel Display Assortment	.....	.....	1 only		32

STICKS—CARBORUNDUM OR ALOXITE, Square, Triangular, Half-Round and Round Shapes
Price (Each) FINISHED

Page 13

Thickness	4-inch length				6-inch length				8-inch length			
												
1/4	.50	.65	.65	.70	.70	.85	.85	.95				
3/8	.50	.65	.65	.70	.70	.85	.85	.95				
1/2	.50	.65	.65	.70	.70	.85	.85	.95	1.00	1.20	1.20	1.40
5/8	.55	.70	.70	.75	.75	.95	.95	1.00	1.10	1.30	1.30	1.45
3/4	.55	.70	.70	.75	.75	.95	.95	1.00	1.10	1.30	1.30	1.45
1	.60	.75	.75	.80	.85	1.00	1.00	1.05	1.20	1.40	1.40	1.50

Carborundum and Aloxite Wheels

Page 33-34

Diameter in inches	THICKNESS OF WHEELS IN INCHES													
	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/4	1 1/2	1 3/4	2	2 1/2	3	4
1 1/4	\$0.55	\$0.65	\$0.70	\$0.75	\$0.85	\$0.90	\$1.00	\$1.15	\$1.25	\$1.40	\$1.55	\$1.65	\$1.80	\$2.00
1 3/4	60	70	80	85	95	1.00	1.10	1.30	1.45	1.65	1.80	2.00	2.20	2.40
2 1/4	90	1.05	1.15	1.25	1.35	1.45	1.55	1.80	2.00	2.25	2.45	2.75	3.05	3.35
3 1/4	1.00	1.15	1.25	1.40	1.50	1.65	1.75	2.00	2.25	2.50	2.75	3.05	3.35	3.65
3 3/4	1.15	1.30	1.45	1.60	1.70	1.85	1.95	2.25	2.50	2.80	3.05	3.35	3.65	3.95
4 1/4	1.40	1.50	1.70	1.85	2.00	2.20	2.35	2.70	3.00	3.35	3.70	4.05	4.40	4.75
4 3/4	1.60	1.75	2.00	2.20	2.35	2.60	2.80	3.20	3.55	3.95	4.35	4.75	5.15	5.55
5 1/4	1.80	2.00	2.30	2.50	2.70	2.95	3.20	3.65	4.10	4.55	5.00	5.45	5.90	6.35
5 3/4	2.30	2.60	2.90	3.20	3.50	3.80	4.10	4.70	5.30	5.90	6.50	7.10	7.70	8.30
6 1/4	2.75	3.15	3.55	3.90	4.30	4.75	5.15	5.85	6.70	7.50	8.35	9.20	10.05	10.90
6 3/4	3.25	3.75	4.25	4.75	5.30	5.75	6.25	7.25	8.30	9.30	10.30	11.30	12.30	13.30
7 1/4	3.70	4.35	5.00	5.60	6.25	6.80	7.45	8.70	10.10	11.40	12.70	14.00	15.30	16.60
7 3/4	4.30	5.15	5.90	6.70	7.45	8.20	9.00	10.50	12.25	14.00	15.75	17.50	19.25	21.00
8 1/4	5.50	6.20	7.25	8.25	9.35	10.40	11.50	13.75	15.75	17.85	20.00	22.15	24.30	26.45

Carborundum Grains and Powders

Page 40	5 lb. in tin can	.....	\$ .30 per lb.
"	1 lb. in tin can	.....	.40 per lb.
"	1/2 lb. in tin can	.....	.50 per lb.

Aloxite Grains and Powders

Page 40	5 lb. in tin can	.....	\$ .25 per lb.
"	1 lb. in tin can	.....	.30 per lb.
"	1/2 lb. in tin can	.....	.40 per lb.

Carborundum Sharpening Stone Assortments

Page 26	No. 1 Assortment	List \$24.00
"	" 2	36.15
"	" 10	15.20

Page 25	No. 7 Assortment	66.60
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Niagara Grinders

Page 27	1	List \$ 5.75 each
"	27 2	6.50 "
"	28 3	9.50 "
"	28 4	11.00 "
"	28 21	3.00 "
"	29 A	3.50 "
"	29 B	.....	4.75 "
"	29 C	.....	6.50 "
"	31 D	.....	7.50 "
"	30 E	.....	2.50 "

Carborundum—Aloxite—Garnet Water Proof Papers

List Price per ream of 480 Sheets

Carbo.	Aloxite	Garnet
400 Grit.....	\$30.00	8/0 Grit.....\$15.50
320 ".....	30.00	7/0 ".....15.50
280 ".....	30.00	6/0 ".....15.50
240 ".....	30.00	5/0 ".....16.75
220 ".....	30.00	4/0 ".....19.00
180 ".....	30.00	3/0 ".....21.00
150 ".....	32.00	2/0 ".....23.00
120 ".....	34.00	1/0 ".....25.50
100 ".....	39.50	
80 ".....	45.00	
60 ".....	52.50	

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Aloxite Cloth

Grit Numbers	Sheets 9 x 11 Price per Ream	50-yard Rolls—Price per Roll		
		Width 9 inches	Width 18 inches	Width 27 inches
320-100	\$54.70	\$20.35	\$40.55	\$55.90
80	58.10	21.55	42.90	59.40
60	63.10	23.40	46.60	64.50
50	67.60	25.00	49.85	69.10
40	72.70	26.80	53.40	74.25
36	78.40	28.85	57.55	80.00
30	84.00	30.90	61.60	86.75
24	90.00	33.00	65.80	91.80

Grits manufactured 320, 240, 180, 150, 120, 100.

ALOXITE CLOTH IN ECONOMY ROLLS

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WIDTH	GRITS							
	320 to 100	80	60	50	40	36	30	24
1/4-1/2 in.	\$1.75	\$1.85	\$1.95	\$2.05	\$2.15	\$2.25	\$2.35	\$2.45
3/4	2.35	2.45	2.60	2.70	2.85	3.05	3.20	3.40
1	2.90	3.00	3.25	3.40	3.60	3.85	4.05	4.30
1 1/2	4.05	4.20	4.50	4.80	5.10	5.45	5.75	6.10
2	5.15	5.40	5.80	6.15	6.55	7.00	7.45	7.95

Grits manufactured 320, 240, 180, 150, 120, 100.

FLINT PAPER

GRIT	Carborundum Brand Flint Paper		Niagara Brand Flint Paper	
	9" x 11" sheets		8 3/4" x 10 1/2" sheets	
4/0 to 0	Per	\$ 7.50	Per	\$ 6.75
1/2	Ream	7.95	Ream	7.20
1		9.00		8.10
1 1/2		10.50		9.15
2		12.15		10.35
2 1/2		13.95		11.70
3		15.90		13.20
3 1/2		17.85		14.85
4		20.40		16.80
Assorted		10.50		9.15

FLINT PAPER IN CARTONS

Grit No.	Sheet per Carton	Carborundum 9 x 11	Niagara $8\frac{1}{2} \times 10\frac{1}{2}$
00	100	1.55	1.43
0	100	1.55	1.40
$\frac{1}{2}$	100	1.65	1.50
1	75	1.40	1.25
$1\frac{1}{2}$	50	1.10	.95
2	50	1.25	1.10
$2\frac{1}{2}$	50	1.45	1.20
3	25	.85	.70
Standard Asst. of 8 Cartons		10.80	9.50

DELIVERY: ALL ABRASIVE COMMODITIES EXCEPTING PAPER AND CLOTH: Full freight allowed to destination on shipments weighing 100 lbs. and over from Niagara Falls or branch warehouses.

PAPER AND CLOTH: F. O. B. Niagara Falls or points of shipment, in any quantity; full delivery allowed to destination via cheapest route.

MIXED SHIPMENTS LESS THAN 100 LBS.

Mixed shipments of less than 100 lbs., containing PAPER AND CLOTH: full delivery allowed to destination via cheapest route. Mixed shipments of less than 100 lbs., not containing PAPER AND CLOTH: no freight allowance.

TERMS: 30 days net, 2% for cash in 10 days from date of invoice.

THE CARBORUNDUM COMPANY, Niagara Falls, N. Y., U. S. A.

New York, Chicago, Boston, Philadelphia, Detroit, Cleveland, Cincinnati, Pittsburgh, Milwaukee, Grand Rapids.